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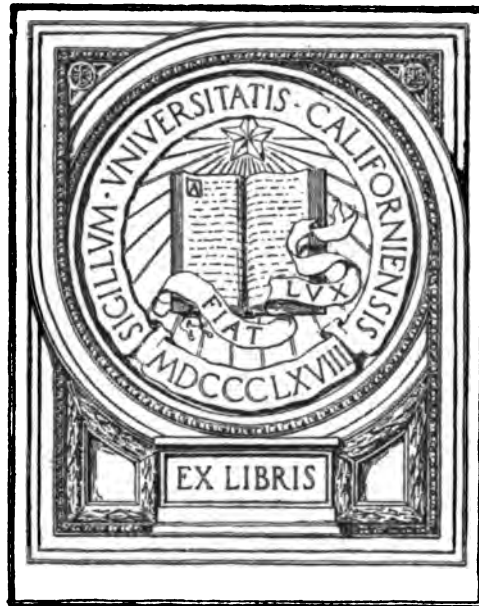


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TABLE OF CONTENTS

	PAGE
BIBLIOGRAPHY - - - - -	1
NAVAL ARCHITECTURE - - - - -	1-13
SHIPYARDS - - - - -	13-21
WOODEN SHIPS - - - - -	21-23
IRON AND STEEL SHIPS - - - - -	23-46
REINFORCED CONCRETE SHIPS - - - - -	46-52
INDEX OF AUTHORS - - - - -	53-56
INDEX OF SUBJECTS - - - - -	57-59

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NAVAL ARCHITECTURE.

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REINFORCED CONCRETE SHIPS.

BIBLIOGRAPHY

1. *Koenigliche technische Hochschule, Danzig.* — Buecherei. Schiffbau, Schiffsmaschinenbau, Seewesen. Danzig: Schwital & Rohrbeck, 1910. v, 67 p. 8°. **VX**
2. *New York Public Library.* — Circulation Department. Selected books on marine engineering and shipbuilding. n. t. p. [New York, 1913.] 5 p. 16°. **VXK p.v.1, no.3**
3. — — Second copy. ***HND p.v.5, no.27**
4. A Selected list of references on the construction of wooden ships. 1917. **Vertical file — Tech.Div.**
Typewritten.
5. *Sunderland, Eng.* — Public Libraries. List of books on shipbuilding, including naval architecture, marine engineering, boilermaking, seamanship, and navigation ... [Sunderland:] E. Sword and Sons [1912]. 11 p. nar. 12°. **VXC p.v.19, no.6**

NAVAL ARCHITECTURE

1908

6. *Abell, Westcott Stile.* Two notes on ship calculations. (Institution of Naval Architects. Transactions. London, 1908. v. 50, p. 242-259.) **VXA**
7. — — Two notes on ship calculations. (Marine review. New York, 1908. v. 38, no. 10, p. 32-38.) **VXA**
8. *Cremdieu, Victor.* On an apparatus for extinguishing the rolling of ships. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1908. v. 51, p. 52-68.) **VDA**
9. *Estrada, Ramón.* Tanques experimentales. (Revista general de marina. Madrid, 1908. tomo 62, p. 26-45, 292-313.) **VXA**
10. *Gebers, Fr.* Ein Beitrag zur experimentellen Ermittlung des Wasserwiderstandes gegen bewegte Körper. 3 pl. illus. (Schiffbau. Berlin, 1908. Jahrg. 9, p. 435-452, 475-485.) **VXA**
11. *Goulaeff, E. E.* Unsinkable and uncapsizable ships of the Goulaeff form and system of construction. illus. (Engineer. London, 1908. v. 105, p. 380-381.) **VA**
12. — — (Engineering. London, 1908. v. 85, p. 466-469.) **VDA**
13. — — (Institution of Naval Architects. Transactions. London, 1908. v. 50, p. 1-24.) **VXA**
14. *Herner, Heinrich.* Die Theorie des Schiffes. Hannover: Max Jänecke, 1908. 285 p. 8°. **VXH**

Naval Architecture, continued.

1908, continued.

15. **Kielhorn, Carl.** Die neuen Freibordvorschriften der See-Berufsgenossenschaft und die modernen Dampfertypen. (Schiffbau. Berlin, 1908. Jahrg. 10, p. 231-241.)
† VXA

16. **Kretschmer, Otto.** Fast steamers built on "tetrahedral" lines. illus. (Scientific American. New York, 1908. v. 99, p. 473-474.)
VA

17. **Long, A. E.** Notes on the form of high-speed ships. 3 pl. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. London, 1908. v. 24, p. 187-204, 219-224, 281-286.)
VXA

18. ——— (International marine engineering. New York, 1908. v. 13, p. 258-262.)
† VXA

19. **Morley, T. B.** The laying out and use of calculating charts. 4 pl. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1908. v. 51, p. 446-459.)
VDA

20. **O'Neill, J. J.** The interrelation of theory and practice of shipbuilding. 6 pl. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1908. v. 51, p. 236-294.)
VDA

21. ——— (Engineer. London, 1908. v. 106, p. 100-102.)
VA

22. ——— (Marine review. New York, 1908. v. 38, no. 7, p. 26-31.)
† VXA

23. **Robinson, Richard Hallett Meredith.** An experimental model basin. illus. (Scientific American supplement. New York, 1908. v. 66, p. 37-39, 60-62.)
VA

24. **Sadler, Herbert Charles.** Further experiments upon longitudinal distribution of displacement and its effect upon resistance. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1908. v. 16, p. 21-32.)
VXA

25. ——— (International marine engineering. New York, 1908. v. 13, p. 530-532.)
† VXA

26. ——— Some experiments on the effect of longitudinal distribution of displacement upon resistance. (International marine engineering. New York, 1908. v. 13, p. 72-74.)
† VXA

27. **Sauvaire Jourdan, André Marie Barthélemy.** Le bassin d'essai des carènes de la marine française. illus. (Nature. Paris, 1908. année 36, semestre 1, p. 305-308.)
OA

28. **Schmidt, Alfred.** Beitrag zur Dimensionierung von Schiffen. (Schiffbau. Berlin, 1908. Jahrg. 9, p. 819-823.)
† VXA

29. **Taylor, David Watson.** An experimental investigation of stream lines around ships' models. (International marine engineering. New York, 1908. v. 13, p. 20-22.)
† VXA

30. ——— The influence of midship-section shape upon the resistance of ships. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1908. v. 16, p. 13-19.)
VXA

31. ——— (International marine engineering. New York, 1908. v. 13, p. 525-528.)
† VXA

32. **Ulffers.** Ein einfaches Verfahren zur raschen Bestimmung der Querstabilität eines Schiffes. (Schiffbau. Berlin, 1908. Jahrg. 10, p. 192-196.)
† VXA

33. **Wellenkamp, H.** Ship-model experiments. (Engineering. London, 1908. v. 85, p. 562-564.)
VDA

34. **Willey, D. A.** Towing tank at the University of Michigan. illus. (Scientific American. New York, 1908. v. 98, p. 428-429.)
VA

1909

35. **Ahlborn, Fr.** Die Widerstandsvorgänge im Wasser an Platten und Schiffskörpern. illus. 22 pl. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1909. Bd. 10, p. 370-436.)
† VXA

36. **Attwood, Edward Lewis.** Text-book of theoretical naval architecture. New York: Longmans, Green, and Co., 1909. ix, 458 p., 4 pl. 5. ed. 8°.
VXH

37. **Biles, Sir John Harvard.** Fifty years of warship-building on the Clyde. illus. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1909. v. 52, p. 347-370.)
VDA

38. ——— (North-East Coast Institution of Engineers and Shipbuilders. Transactions. London, 1910. v. 26, p. 119-142.)
VXA

39. **Bruhn, J.** The influence of form and bulkheads on the strength of ships. (Institution of Naval Architects. Transactions. London, 1909. v. 51, p. 233-250.)
VXA

40. **Denny, Leslie.** Modern ship design. (Mechanical engineer. Manchester, 1909. v. 23, p. 296-298.)
VFA

41. **Donald, James.** Structural rules for ships. 21 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1909. v. 17, p. 321-384.)
VXA

42. ——— (New York, 1909.) 61 p., 20 tables. 4°. (Society of Naval Architects and Marine Engineers. Advance copies of papers to be read at the 17th general meeting, 1909. no. 11.)
† VXA

Naval Architecture, continued.

1909, continued.

43. **Everett, H. A.** The development and present status of the experimental model-towing basin. (International marine engineering. New York, 1909. v. 14, p. 35-39, 63-67, 98-103.) † VXA
44. **The Experimental tank in Paris.** illus. (Engineer. London, 1909. v. 107, p. 340-342.) VA
45. **Goulaeff, E. E.** Unsinkable and uncapsizable ships. The Goulaeff form and system of construction. illus. (Scientific American supplement. New York, 1909. v. 67, p. 100-103.) VA
46. **Greenhill, George.** A note on ship geometry. illus. (Institution of Naval Architects. Transactions. London, 1909. v. 51, p. 214-219.) VXA
47. **Hovgaard, William.** Strength of water-tight bulkheads. 2 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1909. v. 17, p. 385-439.) VXA
48. ——— (New York, 1909.) 50 p., 1 diagr. 4°. (Society of Naval Architects and Marine Engineers. †Advance copies of papers to be read at the 17th general meeting, 1909. no. 13.) † VXA
49. **Hunter, G. B., and E. W. De RUSSETT.** Sixty years of merchant shipbuilding on the north-east coast. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1909. v. 52, p. 323-346.) VDA
50. ——— (North-East Coast Institution of Engineers and Shipbuilders. Transactions. London, 1910. v. 26, p. 95-118.) VXA
51. **Jack, J. R.** Ships' specifications. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1909. v. 52, p. 160-179.) VDA
52. **Kielhorn, Carl.** Die Profilfrage im deutschen Handelsschiffbau. (Schiffbau. Berlin, 1909. Jahrg. 10, p. 779-785, 815-819.) † VXA
53. **Laws, Bernard C.** The stability of floating docks. (Cassier's magazine. New York, 1909. v. 36, p. 516-522.) VDA
54. **Liddell, A. R.** Stability and comfort. (Engineer. London, 1909. v. 107, p. 386-387.) VA
55. **McEntee, William.** Some ship-shaped stream forms. 7 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1909. v. 17, p. 185-196.) VXA
56. ——— (New York, 1909.) 7 p., 6 diagrs. 4°. (Society of Naval Architects and Marine Engineers. †Advance copies of papers to be read at the 17th general meeting, 1909. no. 4.) † VXA
57. **Management and equipment of an experimental tank.** (Engineer. London, 1909. v. 108, p. 49-50, 80-81, 101-104.) VA
58. **Murray, Athole James.** Notes on the strength of steel watertight bulkheads. 4 pl. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. London, 1909. v. 25, p. 227-239, 259-261, 277-282.) VXA
59. **Report of the experimental tank committee (1908).** (Institution of Naval Architects. Transactions. London, 1909. v. 51, p. 144-163.) VXA
60. ——— (Engineering. London, 1909. v. 87, p. 539-542.) VDA
61. **Sadler, Herbert Charles.** The effect of bossing upon resistance. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1909. v. 52, p. 147-159.) VDA
62. ——— The influence of the position of the midship section upon the resistance of some forms of vessels. 3 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1909. v. 17, p. 181-184.) VXA
63. ——— (New York, 1909.) 2 p., 3 diagrs. 4°. (Society of Naval Architects and Marine Engineers. †Advance copies of papers to be read at the 17th general meeting, 1909. no. 3.) † VXA
64. ——— The resistance of some full types of vessels. (International marine engineering. New York, 1909. v. 14, p. 319-321.) † VXA
65. **Schmidt, Alfred.** Abgekürztes Verfahren zur Bestimmung der Längsfestigkeit von Schiffen. (Schiffbau. Berlin, 1909. Jahrg. 10, p. 792-795, 819-826, 856-863, 889-899.) † VXA
66. **Skerrett, R. G.** The value of the model experimental basin in ship designing. illus. (Cassier's magazine. New York, 1909. v. 35, p. 603-619.) VDA
67. **Smith, John.** Launching calculations. (Engineering. London, 1909. v. 88, p. 261-266.) VDA
68. ——— On launching calculations, with special reference to the effect of camber. (Institution of Naval Architects. Transactions. London, 1909. v. 51, p. 198-213.) VXA
69. **Some novel aspects of warship design.** (In: Navy League annual, 1909-1910. London, 1909. p. 192-201.) VXA
70. **Stanton, Thomas Ernest.** On the resistance of thin plates and models in a

*Naval Architecture, continued.**1909, continued.*

current of water. (Institution of Naval Architects. Transactions. London, 1909. v. 51, p. 164-175.) **VXA**

71. — (Engineer. London, 1909. v. 107, p. 405-406.) **VA**

72. Taylor, David Watson. The effect of parallel middle body upon resistance. 13 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1909. v. 17, p. 171-179.) **VXA**

73. — — (New York, 1909.) 5 p., 10 diagrs., 1 table. 4°. (Society of Naval Architects and Marine Engineers. Advance copies of papers to be read at the 17th general meeting, 1909. no. 2.) **VXA**

74. The Trend of British battleship design. (In: Navy League annual, 1909-1910. London, 1909. p. 177-182.) **VXA**

75. Warrington, James N. A system of mathematical lines for ships. 5 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1909. v. 17, p. 441-453.) **VXA**

76. — — (New York, 1909.) 12 p., 5 diagrs., 1 table. 4°. (Society of Naval Architects and Marine Engineers. Advance copies of papers to be read at the 17th general meeting, 1909. no. 9.) **VXA**

77. Water-tight bulkheads in passenger vessels. (Engineer. London, 1909. v. 107, p. 207-208.) **VA**

1910

78. Experimental tank at the National Physical Laboratory. illus. (Engineer. London, 1910. v. 109, p. 249; v. 110, p. 564-565.) **VA**

79. Glazebrook, Richard Tetley. Report on the progress of the national experimental tank. (Institution of Naval Architects. Transactions. London, 1910. v. 52, p. 22-27.) **VXA**

80. — — (Engineer. London, 1910. v. 109, p. 286.) **VA**

81. Herner, Heinrich. Schiffbau. Hannover: Max Jänecke [1910]. viii, 220 p. 12°. (Bibliothek der gesamten Technik. Bd. 156.) **VXH**

82. Hopf, Ludwig. Hydrodynamische Untersuchungen. Leipzig: J. A. Barth, 1910. 91 p. 8°. **VDM p.v.7, no.3**

83. Horn, Fritz. Die dynamischen Wirkungen der Wellenbewegung auf die Längsbeanspruchung des Schiffskörpers. Berlin: J. Springer, 1910. 118 p., 1 l., 3 diagrs. 4°. **VXH**

84. Hovgaard, William. An analysis of tests of watertight bulkheads with practical rules and tables for their construction. 5 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1910. v. 18, p. 83-124.) **VXA**

85. Liddell, A. R. Germanischer Lloyd rules. (Engineer. London, 1910. v. 110, p. 699-700.) **VA**

86. — Rules for shipbuilding. (Engineer. London, 1910. v. 110, p. 429.) **VA**

87. — Stability models and tables. (Engineer. London, 1910. v. 110, p. 215-217.) **VA**

88. McGovern, John. The structural arrangements and strengths of certain types of ships. (Liverpool Engineering Society. Transactions. Liverpool, 1910. v. 31, p. 334-364.) **VDA**

89. Mallock, A. Note on experiments made by Mr. R. E. Froude, F. R. S., on the forces operating on plane and curved surfaces when travelling at various speeds in water. (In: Great Britain. — Aeronautics Advisory Committee. Report. London, 1910. p. 39-40.) **VWD**

90. N., G. Some points in the design and construction of ships. (Nautical magazine. Glasgow, 1910. v. 83, p. 253-260, 477-484; v. 84, p. 5-13, 234-240.) **VXA**

91. Ott, Jul. Beitrag zur Berechnung der Querstabilität von Schiffen. (Schiffbau. Berlin, 1910. Jahrg. 11, p. 636-646, 671-676, 712-720.) **VXA**

92. Stability of ships. (Engineer. London, 1910. v. 109, p. 267-268.) **VA**

93. Taylor, David Watson. A new method for determining the final diameter of a ship. (United States Naval Institute. Proceedings. Annapolis, 1910. v. 36, p. 501-506.) **VXA**

1911

94. Abell, Westcott Stile. Ship-model tanks; their purpose and application. (Liverpool Engineering Society. Transactions. Liverpool, 1911. v. 32, p. 11-35.) **VDA**

95. Alexander, F. H. Bending moments of ships among waves. (Engineering. London, 1911. v. 91, p. 563-565.) **VDA**

96. — The influence of longitudinal distribution of weight upon the bending moments of ships among waves. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 1, p. 103-117.) **VXA**

97. — Note on a method of calculating cross curves of stability. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. London, 1911. v. 27, p. 183-190, 193-198.) **VXA**

*Naval Architecture, continued.**1911, continued.*

98. **Anti-rolling tanks for steadying ships at sea.** (Scientific American. New York, 1911. v. 104, p. 502.) **VA**

99. **Baker, George S.** The national experiment tank and its equipment. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 1, p. 37-52; v. 54, p. 58-67.) **VXA**

100. ——— (Engineering. London, 1911. v. 91, p. 445-450, 452.) **VDA**

101. **Ballard, Maxwell.** Notes on a new design of merchant vessel. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 1, p. 297-312.) **VXA**

102. ——— (Marine engineer and naval architect. London, 1911. v. 33, p. 402-405, 457-460.) **VXA**

103. ——— (Engineering. London, 1911. v. 91, p. 770-773.) **VDA**

104. **Biles, Sir John Harvard.** The design and construction of ships. London: Charles Griffin and Co., 1908-11. 2 v. 8°. **VXH**

105. ——— Rolling of ships. (Engineer. London, 1911. v. 112, p. 241-242.) **VA**

106. **Brewer, C. B.** Models of vessels. (Cassier's magazine. New York, 1911. v. 40, p. 40-54.) **VDA**

107. **Burgoyne, Alan Hughes.** The development of the "Dreadnought" type. (In: Navy League annual, 1911-1912. London, 1911. p. 241-255.) **VXA**

108. **Cálculos prácticos relativos al buque.** (Centro naval, Buenos Aires. Boletín. Buenos Aires, 1911. tomo 29, p. 583-609.) **VXA**

109. **Coker, Ernest George.** The determination, by photo-elastic methods, of the distribution of stress in plates of variable section, with some applications to ships' plating. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 1, p. 265-296.) **VXA**

110. ——— Photo-elastic determination of stress. (Engineering. London, 1911. v. 91, p. 531-533, 566-568.) **VDA**

111. **Doig, Peter.** The powering of merchant ships and design of their forms. (International marine engineering. New York, 1911. v. 16, p. 310-312.) **† VXA**

112. **Flamm, Oswald.** The scientific study of naval architecture in Germany. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 2, p. 201-218.) **VXA**

113. ——— (Engineering. London, 1911. v. 92, p. 54-55.) **VDA**

114. **Frahm, H.** Neuartige Schlingertanks zur Abdämpfung von Schiffsrollbewegun-

gen. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1911. Bd. 12, p. 283-365.) **† VXA**

115. ——— Results of trials of the anti-rolling tanks at sea. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 1, p. 183-216.) **VXA**

116. ——— (Engineering. London, 1911. v. 91, p. 480-483, 533-537.) **VDA**

117. **Gebers, Fr.** Die Entwicklung einer neuen Schleppdampferart für Schifffahrtskanäle durch Modellversuche. illus. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1911. Bd. 12, p. 420-450.) **† VXA**

118. **Hillhouse, P. A.** The block coefficient. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1911. v. 54, p. 27-52.) **VDA**

119. **Horn, Fritz.** Zur Theorie der Frahm-schen Schlingerdämpfungstanks. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1911. Bd. 12, p. 453-480.) **† VXA**

120. **Hovgaard, William.** An analysis of tests of water-tight bulk-heads with practical rules and tables for their construction. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1911. v. 18, p. 83-124.) **VXA**

121. **Idle, George.** The rolling of ships. illus. (Engineer. London, 1911. v. 111, p. 447-448, 461-462, 489-490.) **VA**

122. **Laws, Bernard C.** The stability of ships. (Cassier's magazine. New York, 1911. v. 40, p. 360-368.) **VDA**

123. **Liddell, A. R.** Approximate stability. (Engineer. London, 1911. v. 112, p. 604-606.) **VA**

124. **Lienau, Otto.** Der Einfluss des Sprunges auf die Seefähigkeit von Schiffen und die wirtschaftlichen Vorteile sprungloser Schiffe. (Schiffbau. Berlin, 1911. Jahrg. 12, p. 845-848, 885-894.) **† VXA**

125. **Meyer, F., and R. RAHUSEN.** Schiffbau und Schiffsmaschinenbau. (In: "Hütte" des Ingenieurs Taschenbuch. Berlin: Wilhelm Ernst & Sohn, 1911. 21. ed. v. 2, p. 654-803.) **VFC**

126. **Montgomerie, James.** Considerations affecting local strength calculations. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 1, p. 118-138.) **VXA**

127. **The National experimental tank.** illus. (Nature. London, 1911. v. 86, p. 519-523.) **OA**

128. **Pietzker, Felix.** Festigkeit der Schiffe. Berlin: E. S. Mittler und Sohn, 1911. vii p., 11., 176 p. 4°. (Germany.—Marine Amt.) **VXH**

Naval Architecture, continued.

1911, continued.

129. **Ploeg, J. van.** *Mechanica en stabiliteit...* Amsterdam: "Kweekschool voor de zeevaart," 1911. ix, 215(1) p., 5 plans. illus. 8°. **VXH**
130. **Prendergast, Maurice.** The evolution of the capital ship. (Navy League annual, 1911-1912. London, 1911. p. 210-228.) **VXA**
131. **Roberts, T. G.** Ship calculations; derivation and analysis of methods. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1911. v. 19, p. 259-285.) **VXA**
132. **Russo, G.** Fifty years' progress of shipbuilding in Italy. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 2, p. 252-278.) **VXA**
133. **Stieghorst, J.** Längsschotte als Scherverband eines Schiffes und ihr Einfluss auf den Bau der Aussenhaut. (Schiffbau. Berlin, 1911. Jahrg. 12, p. 725-730, 768-773, 819-825, 849-853, 897-904; Jahrg. 13, p. 9-17, 49-55, 91-98, 132-138, 172-178.) **† VXA**
134. **Taylor, David Watson.** Some model basin investigations of the influence of form of ships upon their resistance. 26 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1911. v. 19, p. 59-66.) **VXA**
135. **Terano, S., and M. YUKAWA.** The development of merchant shipbuilding in Japan. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 2, p. 135-148.) **VXA**
136. — — (Engineering. London, 1911. v. 92, p. 107-110.) **VDA**
137. **Thearle, S. J. P.** Fifty years' developments in mercantile ship construction. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 2, p. 149-162.) **VXA**
138. — — (Engineering. London, 1911. v. 92, p. 69-72.) **VDA**
139. **Waldmann, Ernst.** Einfluss der Schiffsvermessung auf die Stabilität der Schiffe. (Schiffbau. Berlin, 1911. Jahrg. 12, p. 490-496, 527-531, 571-577.) **† VXA**
140. **Watts, Sir Philip.** Warship building (1860-1910). (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 2, p. 291-337.) **VXA**
141. **Welch, John Joseph.** The problem of size in battleships. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 1, p. 1-28.) **VXA**
142. — — (Engineering. London, 1911. v. 91, p. 442-445.) **VDA**
143. **White, Sir William Henry.** On the maximum dimensions of ships. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1911. v. 19, p. 1-36.) **VXA**
144. — — (Engineer. London, 1911. v. 112, p. 570-572.) **VA**
145. — — (New York, 1911.) 19 p. 4°. **†† VBA p.v.7, no.21**

1912

146. **Attwood, Edward Lewis.** Text-book of theoretical naval architecture. London: Longmans, Green, and Co., 1912. ix p., 11., 518 p., 3 diagrs., 3 tables. 6. ed. 12°. **VXH**
147. **Baker, George S.** William Froude National Tank. illus. (Engineer. London, 1912. v. 113, p. 415-416.) **VA**
148. — — (Engineering. London, 1912. v. 93, p. 418-420.) **VDA**
149. **Bertin, Louis Émile.** L'accroissement des dimensions des navires. (Revue générale des sciences. Paris, 1912. tome 23, p. 382-389.) **OA**
150. **Bourdelle, Pierre Marc.** Théorie du navire. Paris: O. Doin et fils, 1912. 2 v. 12°. (Encyclopédie scientifique. Bibliothèque de mécanique appliquée et génie.) **VXH**
151. **Burgoyne, Alan Hughes.** Thoughts on the development of ship type. (Navy League annual, 1912-1913. London, 1912. p. 294-307.) **VXA**
152. **Cannon, A.** Results of calculations regarding the effect of an internal free fluid upon the initial stability and the stability at large angles in ships of various forms. (Institution of Naval Architects. Transactions. London, 1912. v. 54, p. 124-144.) **VXA**
153. **Félix, A.** Théorie du navire. Paris: A. Challamel, 1912. 2 p.l., viii, 288 p. 4°. (Cours de l'École navale.) **VXH**
154. **Given, E. C.** "Anti-rolling devices for ships." (Liverpool Engineering Society. Transactions. Liverpool, 1912. v. 33, p. 109-136.) **VDA**
155. **Grunsky, Carl Ewald.** The ultimate dimensions of the largest sea-going vessels. (Association of Engineering Societies. Journal. Boston, 1912. v. 49, p. 156-173.) **VDA**
156. **Haver, A. H.** Certain aspects of ship resistance as disclosed by the performance of the corrugated sided vessel "Monitoria." 6 pl. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. Newcastle-upon-Tyne, 1912. v. 28, p. 59-123.) **VXA**

Naval Architecture, continued.

1912, continued.

157. Idle, George, and G. S. BAKER. The effect of bilge keels on the rolling of lightships. (Institution of Naval Architects. Transactions. London, 1912. v. 54, p. 103-123.) **VXA**

158. Liddell, A. R. Waves and ship form. (Engineer. London, 1912. v. 113, p. 343-344.) **VA**

159. Massenet, G., and A. LUCAS. Éléments de théorie du navire... Paris: A. Challamel, 1912. vi, 119(1) p., 2 diagrs. illus. 8°. **VXF**

160. Muth, D. Schwimmdockberechnung. (Schiffbau. Berlin, 1912. Jahrg. 13, p. 595-600.) **† VXA**

161. Neudeck, G., and others. Der moderne Schiffbau. Leipzig: B. G. Teubner, 1912. 2 v. 8°. **VXH**

162. Nicol, George. Ship construction and calculations... Glasgow: J. Brown & Son, 1912. 3 p.l., 396 p. (2. ed.) 8°. **VXH**

163. Peabody, Cecil Hobart. A retrospect of fifteen years of ship design and construction. (International marine engineering. New York, 1912. v. 17, p. 93-98.) **† VXA**

164. Rothe, Hans Heinrich Albrecht. Der Widerstand und Antrieb von Schiffen. Berlin: M. Krayn, 1912. viii, 292 p. 8°. **VXHD**

165. Ship form coefficients. (Nautical magazine. Glasgow, 1912. v. 88, p. 644-651.) **VXA**

166. Stanton, Thomas Ernest. The law of comparison for surface friction and eddy-making resistances in fluids. (Institution of Naval Architects. Transactions. London, 1912. v. 54, p. 48-57.) **VXA**

167. Strength of ships. (Engineer. London, 1912. v. 113, p. 667-669.) **VA**

168. Suyehiro, K. On shearing stress in a ship's structure. (Engineering. London, 1912. v. 94, p. 894-896.) **VDA**

169. White, Sir William Henry. Sur les dimensions maxima des navires. (France. — Ministère de la Marine. Revue maritime. Paris, 1912. tome 192, p. 497-509.) **VXA**

170. — Über Schiffe mit maximalen Dimensionen. (Austria. — Marine-technische Komitee. Mitteilungen aus dem Gebiete des Seewesens. Pola, 1912. Jahrg. 40, p. 426-452.) **VXA**

171. Wrobbel, Gustav. Ein Vorschlag zur Erhöhung der Schwimnfähigkeit der grossen Ozeandampfer. (Schiffbau. Berlin, 1912. Jahrg. 13, p. 591-595.) **† VXA**

1913

172. Baker, George S. Methodical experiments with mercantile ship forms. (Institution of Naval Architects. Transactions. London, 1913. v. 55, part 1, p. 162-180.) **VXA**

173. — — (Engineer. London, 1913. v. 115, p. 561-564.) **VA**

174. — — (Engineering. London, 1913. v. 95, p. 506-510.) **VDA**

175. Baker, G. S., and J. L. KENT. Effect of form and size on the resistance of ships. (Institution of Naval Architects. Transactions. London, 1913. v. 55, part 2, p. 37-60.) **VXA**

176. — — (Engineering. London, 1913. v. 96, p. 132-137.) **VDA**

177. Bruhn, J. Watertight subdivision of ships. illus. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1913. v. 56, p. 149-253.) **VDA**

178. Burgoyne, Alan Hughes. Developments in battleship type. (In: Navy League annual, 1913-1914. London, 1913. p. 270-292.) **VXA**

179. Cannon, A. Experimental determination of the effect of internal loose water upon the rolling of a ship. (Institution of Naval Architects. Transactions. London, 1913. v. 55, part 2, p. 76-90, 108-117.) **VXA**

180. — Notes on initial stability. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1913. v. 56, p. 309-331.) **VDA**

181. Dickie, George W. On the possibility of building a large passenger liner that would not under any of the known mishaps at sea lose her buoyancy or stability and sink. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1913. v. 21, p. 25-30.) **VXA**

182. Flamm, Oswald. Die Unsinkbarkeit moderner Seeschiffe. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1913. Bd. 14, p. 534-602.) **† VXA**

183. — Unsinkability of modern sea-going ships. (Engineering. London, 1913. v. 95, p. 215-217.) **VDA**

184. Gatewood, William. Structure of vessels as affected by demand for increased safety. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1913. v. 21, p. 31-45.) **VXA**

185. Guembel. Das Problem des Oberflächenwiderstandes. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1913. Bd. 14, p. 393-509.) **† VXA**

Naval Architecture, continued.

1913, continued.

186. Liddell, A. R. Some further notes on approximate stability. (Engineer. London, 1913. v. 115, p. 432-433.) **VA**

187. — Watertight subdivision. (Engineer. London, 1913. v. 115, p. 547-548.) **VA**

188. Peabody, Cecil Hobart. Resistance of bilge keels. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1913. v. 21, p. 9-23.) **VXA**

189. Peskett, L. On shipbuilding contracts. (Institution of Naval Architects. Transactions. London, 1913. v. 55, part 2, p. 1-15.) **VXA**

190. Purvis, F. P. Note of a geometrical feature of ordinary curves of metacentres. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1913. v. 56, p. 292-308.) **VDA**

191. Rodgers, William Ledyard. The influence of national policies on ships' design. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1913. v. 21, p. 67-74.) **VXA**

192. Steele, James Edward. Ship construction treated from a structural engineering standpoint. (International marine engineering. New York, 1913. v. 18, p. 385-389.) **† VXA**

193. Suyehiro, K. On shearing stress in a ship's structure. (Tokyo Imperial University. — College of Engineering. Journal. Tokyo, 1913. v. 5, p. 181-190.) **VDA**

194. Taylor, David Watson. Relative resistances of some models with block coefficient constant and other coefficients varied. 12 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1913. v. 21, p. 1-7.) **VXA**

195. Tobin, T. C. The weight factor in merchant ship design. (Liverpool Engineering Society. Transactions. Liverpool, 1913. v. 34, p. 255-281.) **VDA**

196. Tunkl, Franz von. Schifffahrt und Seewesen... Wien: A. Hartleben's Verlag, 1913. xiii, 440 p., 3 maps. illus. 8°. **VXH**

197. United States. — Commerce Department. Report to the secretary of commerce on hulls and bulkheads, International Conference on Safety at Sea. n. t. - p. Washington: Gov. Prtg. Off., 1913. 47 p. 8°. **VXC p.v.19, no.5**

198. The Unsinkable ship. illus. (Engineer. London, 1913. v. 115, p. 171.) **VA**

199. White, E. S. The influence of form on the economical running of a ship. 4 pl.

(North-East Coast Institution of Engineers and Shipbuilders. Transactions. Newcastle-upon-Tyne, 1913. v. 29, p. 47-84.) **VXA**

200. Willey, D. A. Model experimental tank. illus. (Marine review. New York, 1913. v. 43, p. 345-349.) **† VXA**

201. Woollard, Lloyd. The effect of water chambers on the rolling of ships. (Institution of Naval Architects. Transactions. London, 1913. v. 55, part 2, p. 91-117.) **VXA**

1914

202. American Bureau of Shipping, New York. Rules for building and classing vessels... New York: American Bureau of Shipping [1914]. 1 v. diags. 8°. **VXA**

203. Attwood, Edward Lewis, and I. C. G. COOPER. A text-book of laying off; or, The geometry of shipbuilding. London: Longmans, Green, and Co., 1914. 4 p.l., 119 p., 1 diag., 1 pl. 8°. **VXH**

204. Ayre, A. L. The watertight subdivision of ships and the effect of bilging. (International marine engineering. New York, 1914. v. 19, p. 219-220, 266-268, 300-302, 348-351, 394-396.) **† VXA**

205. Baker, George S. Model experiments on the resistance of mercantile ship forms. (Institution of Naval Architects. Transactions. London, 1914. v. 56, p. 53-64.) **VXA**

206. — — (Engineering. London, 1914. v. 97, p. 465-468.) **VDA**

207. Barber, G. H. Launching calculations. (International marine engineering. New York, 1914. v. 19, p. 546-550.) **† VXA**

208. Bauer, M. H. Harmonie der Schiffsförmern. illus. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1914. Bd. 15, p. 257-285.) **† VXA**

209. Benjamin, Ludwig. Über das Mass der Stabilität der Schiffe. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1914. Bd. 15, p. 594-614.) **† VXA**

210. Bertin, Louis Émile. La marine moderne; ancienne histoire et questions neuves. Paris: E. Flammarion, 1914. 2 p.l., 388 p. illus. 8°. (Bibliothèque de philosophie scientifique.) **VXH**

211. Commentz, Carl. Bedeutung und Messung der Stabilität von Seeschiffen. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1914. Bd. 15, p. 615-645.) **† VXA**

212. Dickie, George W. The unsinkable ship. illus. (Engineer. London, 1914. v. 117, p. 163-164.) **VA**

Naval Architecture, continued.

1914, continued.

213. **Doig, Peter.** The design of merchant ship forms. A systematic method for correlating the various factors in determining the best form for a merchant ship. (International marine engineering. New York, 1914. v. 19, p. 162-163, 200-201.) **VXA**
214. **Flamm, Oswald.** Beitrag zur Frage der Unsinkbarkeit moderner Seeschiffe. illus. (Schiffbau. Berlin, 1914. Jahrg. 16, p. 21-30, 41-46.) **†VXA**
215. **Gracie, Alexander.** "Twenty years' progress in marine construction." (Institution of Civil Engineers. Minutes and proceedings. London, 1914. v. 194, p. 281-404.) **VDA**
216. **Howards, J. E.** Measurement of strains in a ship's hull. illus. (International marine engineering. New York, 1914. v. 19, p. 185-191.) **†VXA**
217. **John, T. G.** Shipbuilding practice of the present and future. (Institution of Naval Architects. Transactions. London, 1914. v. 56, p. 291-312.) **VXA**
218. ——— (Engineering. London, 1914. v. 98, p. 68-71.) **VDA**
219. **Keith, H. H. W.** Notes on model basins. (American Society of Marine Draftsmen. Journal. Washington, 1914. v. 1, p. 33-44.) **†VXA**
220. **Knowles, F. P.** Relation of length and displacement to the I. H. P. of a vessel. (American Society of Marine Draftsmen. Journal. Washington, 1914. v. 1, p. 88-98.) **†VXA**
221. **Laws, Bernard C.** Stability and equilibrium of floating bodies... London: Constable and Co., 1914. ix, 251 p. illus. 8°. **PBO**
222. **Liddell, Arthur R.** Freeboard by formula. (Engineer. London, 1914. v. 117, p. 279-280.) **VA**
223. **The Longitudinal strength of a vessel.** (Marine engineer and naval architect. London, 1914. v. 36, p. 347-348, 379-381.) **VXA**
224. **Paterson, John Hamilton.** Deck-sheathing compositions. A technical discussion of the various materials used as flooring for ships. (Marine review. Cleveland, 1914. v. 44, p. 485-487.) **†VXA**
225. **Peskett, L.** On the design of steamships from the owner's point of view. (Institution of Naval Architects. Transactions. London, 1914. v. 56, p. 173-192.) **VXA**
226. **Rigg, E. H.** Conditions surrounding modern ship design. (American Society of Marine Draftsmen. Journal. Washington, 1914. v. 1, p. 69-80.) **†VXA**
227. **Robinson, Richard Hallett Meredith.** Naval construction; prepared for the use of the midshipmen of the United States Naval Academy... Annapolis, Md.: U. S. Naval Institute, 1914. vi p., 31 l., 423 p., 10 folded diagrs., 10 folded plans, 7 pl. 3. ed. 8°. **VXH**
228. **Sadler, Herbert Charles.** The expansion or contraction of dimensions and the effect upon resistance. 5 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1914. v. 22, p. 57-60.) **VXA**
229. **Schaffran, Karl.** Die Ausführung und Auswertung von Versuchen mit Schiffsmotoren und Modellpropellern. (Austria. — Kaiserlich-königlich Technisches Versuchsammt. Mittheilungen. Vienna, 1914-15. Jahrg. 3, Heft 4, p. 7-24; Jahrg. 4, Heft 1, p. 7-36; Heft 2, p. 28-54; Heft 3, p. 65-75.) **VA**
230. **Scribanti, A.** On the additional reserve of buoyancy due to camber of beams and to sheer of deck in ships. illus. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1914. v. 57, p. 106-120.) **VDA**
231. **Ships and shipping.** London: T. Nelson and Sons [1914]. 2 v. illus. 16°. (Nelson's encyclopaedic library.) **VXH**
232. **Siemann, Spannungs-messungen an Bord von Schiffen.** illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1914. Bd. 58, p. 1161-1174.) **VDA**
233. **Simpson, George.** The naval constructor: a vade mecum of ship design for students, naval architects, shipbuilders and owners... New York: D. Van Nostrand Co., 1914. xiii, 819 p. diagrs., tables. 3. ed., rev. and enl. 12°. **Desk—Tech. Div.**
234. **Taylor, David Watson.** Relative resistances of ships' models. (Engineering. London, 1914. v. 97, p. 66-67.) **VDA**
235. ——— Relative resistances of some models with block coefficient constant and other coefficients varied. (International marine engineering. New York, 1914. v. 19, p. 7-12.) **†VXA**
236. ——— Some experiments with models having radical variations of after sections. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1914. v. 22, p. 61-65.) **†VXA**

1915

237. **The A B C of the stability of ships.** (Marine review. Cleveland, 1915. v. 45, p. 329-330.) **†VXA**

238. **Attwood, Edward Lewis.** Text-book of theoretical naval architecture... New

Naval Architecture, continued.

1915, continued.

impression. London: Longmans, Green, and Co., 1915. ix p., 11., 518 p., 1 folded diagr., 5 folded tables. illus. 12°. **VXH**

239. Baker, George S. Ship form, resistance, and screw propulsion... New York: D. Van Nostrand Co., 1915. vi p., 1 l., 245 p., 1 l., 4 folded diagrs., 1 pl. 8°. **VXH**

240. Benjamin, Ludwig. Über die Rollschwingungen der Schiffe und ihre Beziehungen zur Stabilität. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1915. Bd. 16, p. 403-441.) **† VXA**

241. Brimblecombe, P. Y. Stability. (Marine engineer and naval architect. London, 1915. v. 37, p. 290-295.) **VXA**

242. Donald, James. Ship subdivision rules adopted at International Conference. (Engineering. London, 1915. v. 99, p. 57-60.) **VDA**

243. Eley, Charles V. A. How to save a big ship from sinking... London: Simpkin, Marshall, Hamilton, Kent & Co., 1915. xi, 195 p., 1 pl. diagrs., plans. 12°. **VXHG**

244. Everett, H. A. Steamship design. A method of determining the principal dimensions. (International marine engineering. New York, 1915. v. 20, p. 436-440.) **† VXA**

245. Finlay, K. G. The increase of safety afforded by a water-tight deck. (Institution of Naval Engineers. Transactions. London, 1915. v. 57, p. 31-40.) **VXA**

246. Gatewood, William. Stability of vessels. (Marine review. New York, 1915. v. 45, p. 7-9.) **† VXA**

247. Holt, C. F. The strength and spacing of transverse beams. (Institution of Naval Architects. Transactions. London, 1915. v. 57, p. 70-97.) **VXA**

248. ——— (Engineering. London, 1915. v. 99, p. 504-507, 528-530.) **VDA**

249. International Engineering Congress, San Francisco, 1915. Naval architecture and marine engineering. San Francisco: Neal Pub. Co., 1916. v. 796 p., 3 charts, 73 plans, 11 tables. 8°. (Transactions. v. 10.) **VDA**

250. Kent, J. L. Further model experiments on the resistance of mercantile ship forms and the influence of length and prismatic coefficient on the resistance of ships. (Institution of Naval Architects. Transactions. London, 1915. v. 57, p. 154-173.) **VXA**

251. ——— (Engineering. London, 1915. v. 99, p. 474-477, 501-504.) **VDA**

252. Montgomerie, James. The scantlings of light superstructures. (Institution of Naval Architects. Transactions. London, 1915. v. 57, p. 52-69.) **VXA**

253. Murray, Athole James. Determination of allowable stresses in ship construction. (American Society of Marine Draftsmen. Journal. Washington, 1915. v. 1, p. 126-131.) **† VXA**

254. On the execution of stability calculations. (International marine engineering. New York, 1915. v. 20, p. 465.) **† VXA**

255. Report of the Committee on Ships' Bulkheads. [Editorial.] (Engineering. London, 1915. v. 99, p. 49-51.) **VDA**

256. Rossell, H. E. Water-tight subdivision of merchant ships. (United States Naval Institute. Proceedings. Annapolis, 1915. v. 41, p. 1202-1222.) **VXA**

257. Rossi, Giuseppe. Manuale del costruttore navale. Con...nomenclatura in italiano-francese-inglese-tedesco. Milano: U. Hoepli, 1915. 2 p.l., (i)viii-xvi, 815 (1) p., 3 folded tables. illus. 2. ed. 16°. (Manuali Hoepli.) **VXH**

258. Schaffran, Karl. Systematische Versuche mit Schiffsmodellen. (Schiffbau. Berlin, 1915. Jahrg. 16, p. 151-156.) **† VXA**

259. Spanner, E. F. Notes on the cross curves and G Z curves of stability. (Institution of Naval Architects. Transactions. London, 1915. v. 57, p. 201-212.) **VXA**

260. ——— (Engineering. London, 1915. v. 100, p. 69-72.) **VDA**

261. Taylor, David Watson. Calculations for ships' forms. Light thrown by model experiments upon resistance, propulsion and rolling of ships. (International marine engineering. New York, 1915-16. v. 20, p. 443-445; v. 21, p. 71-75, 246-250.) **† VXA**

262. Welch, John Joseph. The watertight subdivision of ships. (Institution of Naval Architects. Transactions. London, 1915. v. 57, p. 1-30.) **VXA**

263. ——— (Engineering. London, 1915. v. 99, p. 364-368.) **VDA**

1916

264. Abell, Westcott Stile. Some questions in connection with the work of the load line committee. (Institution of Naval Architects. Transactions. London, 1916. v. 58, p. 16-51.) **VXA**

265. Ayre, Wilfrid. The standardization of stability curves. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. Newcastle-upon-Tyne, 1916. v. 32, p. 164-193.) **VXA**

Naval Architecture, continued.

1916, continued.

266. Baier, L. A. Inclining experiments. (International marine engineering. New York, 1916. v. 21, p. 227-229.) † VXA

267. Baker, George S. Notes on model experiments. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. Newcastle-upon-Tyne, 1916. v. 32, p. 41-136.) VXA

268. Capital ship of the future. (Engineer. London, 1916. v. 122, p. 319-320.) VA

269. Denny, Archibald. Subdivision of merchant vessels. (Institution of Naval Architects. Transactions. London, 1916. v. 58, p. 150-154.) VXA

270. ——— (Engineering. London, 1916. v. 101, p. 372.) VDA

271. Economical forms for ships. (Shipbuilding and shipping record. London, 1916. v. 7, p. 341-342, 399, 474-475, 521-523; v. 8, p. 106, 233-235.) VXA

272. Everett, H. A. Freeboard: its preliminary determination. (International marine engineering. New York, 1916. v. 21, p. 194-201.) VXA

273. Holbrook, G. G. Notes on the stresses in ships. (American Society of Marine Draftsmen. Journal. Washington, 1916. v. 3, p. 68-71.) † VXA

274. Holzapfel, A. C. Evolution in shipbuilding. (Scientific American supplement. New York, 1916. v. 81, p. 130-131, 151.) VA

275. King, J. F. Strength of watertight bulkheads. (Institution of Naval Architects. Transactions. London, 1916. v. 58, p. 155-165.) VXA

276. ——— (Engineering. London, 1916. v. 101, p. 372-375.) VDA

277. Liddell, Arthur R. Form coefficients of vessels. (International marine engineering. New York, 1916. v. 21, p. 176-177.) † VXA

278. Longitudinal stresses of ships. illus. (Engineer. London, 1916. v. 122, p. 344-345.) VA

279. McEntee, William. Notes from the model basin. (International marine engineering. New York, 1916. v. 21, p. 530-533.) VXA

280. ——— (Shipbuilding and shipping record. London, 1917. v. 9, p. 36-37.) VXA

281. Mackrow, Clement, and LLOYD WOOLARD. The naval architect's and shipbuilder's pocket-book of formulae, rules, and

tables, and marine engineer's and surveyor's handy book of reference... 11th ed., thoroughly revised with a section on aeronautics. London: C. Lockwood and Son, 1916. xii, 742 p. diagrs., tables. 16°. Desk - Tech. Div.

282. Murray, Athole James. Strength of ships... London: Longmans, Green and Co., 1916. viii, 400 p., 4 folded diagrs. illus. tables. 8°. VXH

283. Nicol, George. Lessons in naval architecture for officers of mercantile marine. illus. (Nautical magazine. Glasgow, 1913-16. v. 89, p. 6-11, 114-116, 234-240, 325-329, 529-535; v. 90, p. 24-28, 148-151, 210-213, 307-311, 413-419, 547-549; v. 91, p. 19-25, 105-109, 223-227, 339-341; v. 92, p. 10-14, 107-109; v. 94, p. 219-224, 306-311; v. 95, p. 116-122; v. 96, p. 340-346, 424-432.) VXA

284. Russo, G. An experimental tank reproducing wave motion. (Institution of Naval Architects. Transactions. London, 1916. v. 58, p. 95-104.) VXA

285. Taylor, David Watson. Calculations for ships' forms and the light thrown by model experiments upon resistance, propulsion and rolling of ships. (International Engineering Congress, 1915. Transactions. San Francisco, 1916. v. 10, p. 1-67.) VDA

286. Trask, E. P. Ship design. (American Society of Marine Draftsmen. Journal. Washington, 1916. v. 2, p. 153-167.) † VXA

287. Wall, A. T. Some effects of the bulkhead committee's reports in practice. (Institution of Naval Architects. Transactions. London, 1916. v. 58, p. 166-209.) VXA

288. ——— (Engineer. London, 1916. v. 119, p. 425-426, 444-445.) VA

289. ——— (Engineering. London, 1916. v. 101, p. 399-402, 439-440, 486-489.) VDA

290. Watertight doors. (Shipbuilding and shipping record. London, 1916. v. 8, p. 396-397.) † VXA

291. Watts, Sir Philip. The load lines of merchant ships; work of the load line committee (1915). (Institution of Naval Architects. Transactions. London, 1916. v. 58, p. 1-15.) VXA

292. Welch, John Joseph. The time element and related matters in some ship calculations. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. Newcastle-upon-Tyne, 1916. v. 32, p. 137-163.) VXA

Naval Architecture, continued.

1917

293. **Abell, T. B.** "Some principles underlying the water-tight subdivision of ships." (Liverpool Engineering Society. Transactions. Liverpool, 1917. v. 37, p. 15-46.)
VDA
294. **Baker, George S.** The immediate commercial advantages of experiment tank tests. (Liverpool Engineering Society. Transactions. Liverpool, 1917. v. 37, p. 302-325.)
VDA
295. — Skin friction resistance of ships. (Scientific American supplement. New York, 1917. v. 84, p. 316-317.)
VA
296. **Benvenuti, E.** The closing of side apertures in ships from the bridge. (Institution of Naval Architects. Transactions. London, 1917. v. 59, p. 49-63.)
VXA
297. The **Geometrical** determination of frame scales. (Shipbuilding and shipping record. London, 1917. v. 9, p. 154-155.)
† VXA
298. **Holt, C. F.** On the analysis of the results of inclining experiments. (Engineering. London, 1917. v. 104, p. 321-326, 410.)
VDA
299. **Hughes, Charles H.** Handbook of ship calculations, construction, and operation; a book of reference for shipowners, ship officers, ship and engine draughtsmen, marine engineers, and others engaged in the building and operating of ships... New York: D. Appleton and Co., 1917. xxiv p., 11., 740 p. diagrs., tables. 12°. Desk-Tech. Div.
300. An **Improved** method of shipbuilding. illus. (Shipbuilding and shipping record. London, 1917. v. 10, p. 488-493.)
† VXA
301. **Lovett, W. J.** On a method of obtaining for ship design the spacing of bulkheads according to the rules of the international convention. (Institution of Naval Architects. Transactions. London, 1917. v. 59, p. 22-32.)
VXA
302. — (Shipbuilding and shipping record. London, 1917. v. 9, p. 324-330.)
VXA
303. **Lucas, Theodore.** Practical shipbuilding. illus. (Nautical gazette. New York, 1917. v. 91, June 28, 1917, p. 4-8.)
† VXA
304. **McEntee, William.** Cargo ship lines of simple form. 7 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1917. v. 25, p. 101-107.)
VXA
305. — (Engineering. London, 1917. v. 104, p. 628-629.)
VDA
306. **Ober, Shatswell.** Wind resistance of ships. (International marine engineering. New York, 1917. v. 22, p. 218-219.)
† VXA
307. **Peabody, Cecil Hobart.** Naval architecture... New York: John Wiley & Sons, 1917. vii, 641 p., 1 folded diagr. tables. 4. ed., rev. 8°. * R-VXH
308. **Ruprecht, F. K.** Data for bulkhead construction. diagrs. (International marine engineering. New York, 1917. v. 22, p. 309-311.)
† VXA
309. The **Science** of naval architecture. (Scientific American supplement. New York, 1917. v. 83, p. 386-387.)
VA
310. The **Simpson-Gordon** patent bilge tunnel. (Shipbuilding and shipping record. London, 1917. v. 10, p. 131-132.)
† VXA
311. **Steele, James Edward.** Naval architecture... Part 1. Cambridge, Eng.: University Press, 1917. diagr. 8°. (Cambridge technical series.)
VXH
312. **Taylor, David Watson.** La ciencia de la arquitectura naval. Examen de algunos de sus principios fundamentales. (Revista general de marina. Madrid, 1917. tomo 81, p. 753-768.)
VXA
313. **Unsinkable** ships. (Scientific American supplement. New York, 1917. v. 84, p. 155.)
VA
314. **Watson, Thomas Henry.** Naval architecture: a manual on laying-off iron, steel and composite vessels... London: Longmans, Green & Co., 1917. xii, 171 p. folded diagrs. 3. ed. 8°.
VXHK

1918

315. **Abell, Westcott Stile.** Problems of the future in the design and construction of merchant ships. (Shipbuilding and shipping record. London, 1918. v. 11, p. 342-344.)
† VXA
316. **Anderson, John.** The most suitable sizes and speeds for general cargo steamers. illus. (Engineering. London, 1918. v. 105, p. 323-326.)
VDA
317. — (Shipbuilding and shipping record. London, 1918. v. 11, p. 345-349.)
† VXA
318. **Bion, C. W.** System for the design of ships with straight-lined sections. (International marine engineering. New York, 1918. v. 23, p. 335-338.)
† VXA
319. **Cairns, C. W.** Some insufficiently considered details of ship construction and equipment. (Engineering. London, 1918. v. 105, p. 21-23.)
VDA

Naval Architecture, continued.

1918, continued.

320. Doyère, Ch. Contribution à l'étude de la résistance à la marche d'un navire... Paris: A. Challamel, 1918. 2 p.l., 57(1) p., 1 l., 1 folded chart. diagrs., tables. 4°. **VXH**

321. Isherwood, J. W. Economy in modern shipbuilding. (Shipping. New York, 1918. v. 3, no. 11, p. 11-13, no. 12, p. 11-13.) **† TRA**

322. James, Sidney V. Stresses in ships. (Armour engineer. Chicago, 1918. v. 10, p. 281-301.) **VDA**

322a. Kelly, Roy Willmarth, and F. J. ALLEN. The shipbuilding industry. With an introduction by Charles M. Schwab. Boston: Houghton Mifflin Co., 1918. xix (i) p., 1 l., 302 p., 1 l. illus. tables. 8°. **VXH**

323. McAleer, John A. Straight lined and fabricated ships. illus. (International marine engineering. New York, 1918. v. 23, p. 234-236.) **† VXA**

324. McEntee, William. Cargo ship lines of simple form. (International marine engineering. New York, 1918. v. 23, p. 19-21.) **† VXA**

325. — — — (Marine engineer and naval architect. London, 1918. v. 40, p. 118-122.) **VXA**

326. A Method of determining the displacement of a straight-sided vessel. (Shipbuilding and shipping record. London, 1918. v. 12, p. 160-161.) **VXA**

327. Modern shipbuilding and economy in material. illus. (Shipbuilding and shipping record. London, 1918. v. 11, p. 515-516.) **† VXA**

327a. Pease, F. Forrest. Modern shipbuilding terms defined and illustrated. Including a series of photographs showing the progressive steps of construction, together with an appendix on electric welding... Philadelphia: J. B. Lippincott Co. [cop. 1918.] 1 l., 143 p., 35 pl. illus. 12°. **VXH**

328. Robertson, J. M. Shipbuilding costs and estimates. (Shipbuilding and shipping record. London, 1918. v. 11, p. 571-573, 595-597.) **† VXA**

329. Toro, I. Watertight doors. illus. (American Society of Naval Engineers: Journal. Washington, 1918. v. 30, p. 152-156.) **VXA**

SHIPYARDS

1908

330. Armstrong, Sir W. G.; Whitworth & Co., Ltd. Catalogue. Sections: Walker shipyard, Elswick shipyard, electrical department, engine works department, Elswick steel works, miscellaneous. Newcastle-upon-Tyne, 1908. 3 p.l., 241 p., 1 l. illus. 4°. **VXH**

331. Asmussen, G. Installations de radoubage. Cales sèches, docks flottants, élévateurs, etc. Bruxelles: Imp. des Travaux Publics, 1908. 30 p., 2 pl. 8°. (International Congress on Navigation, xi. Section 2, communication 1.) **VXA**

332. Barbé, J. Bassins de radoub récemment construits en France. Bruxelles: Imp. des Travaux Publics, 1908. 16 p. 8°. (International Congress on Navigation, xi. Section 2, communication 1.) **VXA**

333. Bieliawin, L. Les cales sèches du port Empereur Alexandre III. Bruxelles: Imp. des Travaux Publics, 1908. 16 p. 8°. (International Congress on Navigation, xi. Section 2, communication 1.) **VXA**

334. Bock. Neuerungen beim Stapellauf S. M. S. "Blücher." illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1908. Bd. 52, p. 1925-1927.) **VDA**

335. Boettcher, Anton. Die Hellingseilbahnanlage der Reiherstieg-Schiffswerft und Maschinenfabrik in Hamburg. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1908. Bd. 52, p. 1829-1834.) **VDA**

336. Caizzi, Louis. Technical notice of the dockyard of the port of Naples. Bruxelles: Imp. des Travaux Publics, 1908. 8 p. 8°. (International Congress on Navigation, xi. Section 2, communication 1.) **VXA**

337. Flamm, Oswald. Zur Frage der Schwimmdocks. (Schiffbau. Berlin, 1908. Jahrg. 9, p. 359-363, 891-894; Jahrg. 10, p. 391-393.) **† VXA**

338. Flanders, R. E. Launching a Great Lakes freighter. illus. (Machinery. New York, 1908. v. 14, p. 837-839.) **VFA**

339. A German shipbuilding yard (Vulcan shipyard, Stettin.) illus. (Engineer. London, 1908. v. 106, p. 316-318.) **VA**

340. Harland and Wolff's works at Belfast. (Engineer. London, 1908. v. 105, p. 607-608.) **VA**

341. Holm, Axel. The shipbuilding and engineering company of Burmeister and Wain. illus. (International marine engineering. New York, 1908. v. 13, p. 461-465.) **† VXA**

*Shipyards, continued.**1908, continued.*

1909

342. Jarvis, H. R. Floating docks. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. London, 1908. v. 24, p. 121-135.) **VXA**

343. Kaemmerer, W. Die neue Werftanlage der Stettiner Maschinenbau — A. G. Vulcan in Hamburg. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1908. Bd. 52, p. 776-779.) **VDA**

344. Klitzing. Schwimmdock für die kaiserliche Werft in Wilhelmshaven. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1908. Bd. 52, p. 1261-1266.) **VDA**

345. Laas, Walter. Hellingkrananlagen. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1908. Bd. 52, p. 1622-1630, 1668-1678, 1723-1728.) **VDA**

346. Messrs. Harland and Wolff's works at Belfast. (Engineering. London, 1908. v. 85, p. 791-793.) **VDA**

347. Messrs. Yarrow's new works on the Clyde. illus. (Engineering. London, 1908. v. 86, p. 775-781.) **VDA**

Also supplement, Dec. 11, 1908.

348. Nobel, C. Le dock flottant no. iv. de la ville de Rotterdam. Bruxelles: Imp. de Travaux Publics, 1908. 6 p. 8°. (International Congress on Navigation, xi. Section 2, communication 1.) **VXA**

349. Polissadoff, J. Cales sèches pour la réparation et pour la construction de navires. Bruxelles: Imp. des Travaux Publics, 1908. 10 p. 8°. (International Congress on Navigation, xi. Section 2, communication 1.) **VXA**

350. Shipbuilding berths and crane equipment. illus. (Marine engineer and naval architect. London, 1908. v. 30, p. 202-204.) **VXA**

351. Timonoff, V. E. de. Cales sèches temporaires à construction rapide. Bruxelles: Imp. des Travaux Publics, 1908. 6 p. 8°. (International Congress on Navigation, xi. Section 2, communication 1.) **VXA**

352. Treninkhinn, W. M. Appareils de radoub: cales sèches, docks flottants... Bruxelles: Imp. des Travaux Publics, 1908. 23 p. 8°. (International Congress on Navigation, xi. Section 2, communication 1.) **VXA**

353. Yarrow & Company's new works on the Clyde. illus. (Marine engineer and naval architect. London, 1908. v. 30, p. 213-217.) **VXA**

354. Brown, T. M. The dry dock. (Marine review. New York, 1909. v. 39, no. 10, p. 13-16.) **VXA**

355. Comment on met à l'eau un navire. illus. (L'illustration. Paris, 1909. tome 133, p. 372-373.) ***DM**

356. Dockyard administration. (Engineer. London, 1909. v. 107, p. 183-184.) **VA**

357. Donnelly, W. T. A 6000-ton floating drydock. illus. (International marine engineering. New York, 1909. v. 14, p. 294-298.) **† VXA**

358. Floating dry dock for the Oregon Dry Dock Co. illus. (Marine review. New York, 1909. v. 39, p. 310-313.) **VXA**

359. German shipyards. illus. (Engineer. London, 1909-10. v. 108, p. 374-375, 412-415, 424, 468-471, 519-521, 530, 576; v. 109, p. 188-189, 583-584; v. 110, p. 214-215, 292-293; v. 112, p. 98-99.) **VA**

360. Gundersen, A. Shipbuilding and engineering company of Akers Mekaniske Verksted. illus. (International marine engineering. New York, 1909. v. 14, p. 245-248.) **† VXA**

361. Langendonck, C. van. The German Vulcan shipbuilding yard. illus. (American marine engineer. Chicago, 1909. v. 4, no. 1, p. 8-9.) **† VXA**

362. Lienau, Otto. Stapellaufmessungen beim Ablauf des Lloyd dampfers "Berlin" auf der Werft der Aktien-Gesellschaft "Weser." illus. (Schiffbau. Berlin, 1909. Jahrg. 10, p. 471-478.) **† VXA**

363. Michenfelder, C. Die neue Schiffbauhalle der kaiserlichen Werft, Kiel. illus. (Schiffbau. Berlin, 1909. Jahrg. 10, p. 623-627.) **† VXA**

364. — Transporttechnische Gesichtspunkte bei Hellingen. illus. (Schiffbau-technische Gesellschaft. Jahrbuch. Berlin, 1909. Bd. 10, p. 453-538.) **† VXA**

365. New cantilever cranes at the Wall-send shipyard. illus. (Engineer. London, 1909. v. 108, p. 669.) **VA**

366. New shipbuilding works of Smith's Dock Company, Limited. (Engineering. London, 1908. v. 86, p. 432-433, 434-435, 605-607, 677-680, 718-720.) **VDA**

367. Off-shore floating dock for Penarth. illus. (Engineer. London, 1909. v. 108, p. 316, 320.) **VA**

368. 150-ton electric shipbuilding crane. illus. (Engineer. London, 1909. v. 108, p. 187-189.) **VA**

*Shipyards, continued.**1909, continued.*

369. Ranft, Paul. Die neue Werft der Stettiner Maschinenbau A. G. Vulcan in Hamburg. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1909. Bd. 53, p. 1362-1369.) **VDA**

370. Skerrett, R. G. The baptism of ships. (United States Naval Institute. Proceedings. Annapolis, 1909. v. 35, p. 541-551.) **VXA**

371. — Launching a battleship. illus. (World today. Chicago, 1909. v. 16, p. 296-303.) *** DA**

372. 12,000-ton pontoon floating dock for Kobe. illus. (Engineer. London, 1909. v. 108, p. 250-251.) **VA**

373. The Union Iron Works Company. illus. (American marine engineer. Chicago, 1909. v. 4, no. 12, p. 8-10.) **† VXA**

374. Wilson, W. J. A system of control for a shipyard. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. London, 1909. v. 25, p. 125-130.) **VXA**

375. Works of Harland and Wolff, Limited, at Belfast. (Engineer. London, 1909. v. 107, p. 626-627.) **VA**

1910

376. Chantier et ateliers de St. Nazaire. illus. (Engineering. London, 1910. v. 90, p. 847-852.) **VDA**

Also supplement, Dec. 23, 1910.

377. Collie, J. H. The power equipment of a modern shipyard. (Liverpool Engineering Society. Transactions. Liverpool, 1910. v. 31, p. 108-134.) **VDA**

378. Cunningham, Andrew Chase. The development of the Norfolk navy yard. illus. (United States Naval Institute. Proceedings. Annapolis, 1910. v. 36, p. 221-237.) **VXA**

379. Cyran, A. Die Hellinganlage des Stettiner Vulcan. Zweigniederlassung Hamburg. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1910. Bd. 54, p. 377-382, 438-440.) **VDA**

380. Donnelly, W. T. Floating dry docks in the United States; relative value of wood and steel for their construction. 15 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1910. v. 18, p. 59-72.) **VXA**

381. Electrical equipment of Smith's docks, Middlesbrough. illus. (Engineer. London, 1910. v. 109, p. 38-39.) **VA**

382. The Forges et chantiers de la Méditerranée. illus. (Engineering. London, 1910. v. 89, p. 499-501, 607-608.) **VDA**

Also supplement, May 13, 1910.

383. His Majesty's battleship "Hercules." Details of the launching ways. illus. (Engineering. London, 1910. v. 89, p. 610-612.) **VDA**

384. Langendonck, C. van. The German "Weser" shipyard at Bremen. illus. (American marine engineer. Chicago, 1910. v. 5, no. 3, p. 8-9.) **VXA**

385. Launching a battleship. (Marine journal. New York, 1910. v. 32, no. 34, p. 8.) **† VXA**

386. Launching the Olympic. illus. (Marine review. New York, 1910. v. 40, p. 458-460.) **VXA**

387. Michenfelder, C. Schwere Werftkranne für die Schiffsausrüstung. illus. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1910. Bd. 11, p. 240-328.) **† VXA**

388. Mitsu-Bishi dockyard and engine works. illus. (Engineering. London, 1910. v. 89, p. 657-660, 814.) **VDA**

Also supplements, May 20 and June 24, 1910.

389. — (Marine engineer and naval architect. London, 1910. v. 33, p. 34-37, 74-76.) **VXA**

390. Modern shipyard machinery and equipment. illus. (Marine engineer and naval architect. London, 1910. v. 32, p. 198-202, 290-294, 381-384, 410-413; v. 33, p. 2-6, 38-40.) **VXA**

391. Die Schichau Werke in Elbing, Danzig und Pillau. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1910. v. 54, p. 1073-1079.) **VDA**

392. 22,000-ton floating dock for Brazil. illus. (Engineer. London, 1910. v. 110, p. 33-34, 59-60, 93-94, 119-121.) **VA**

393. Vulcan Company's new yard at Hamburg. illus. (Engineering. London, 1910. v. 90, p. 147-150, 164, 228-233, 290-293, 366, 374-376.) **VDA**

Also supplements, July 29, Aug. 26, Sept. 9, 1910.

1911

394. Clyde and Tyne shipyard extensions. illus. (Engineer. London, 1911. v. 111, p. 144-145, 158-161.) **VA**

395. Forges et chantiers de la Méditerranée. illus. (International marine engineering. New York, 1911. v. 16, p. 113-115.) **† VXA**

396. 40000 Tonnen Schwimmdock der kaiserlichen Werft in Kiel. 4 pl. illus. (Schiffbau. Berlin, 1911. Jahrg. 13, p. 77-88.) **† VXA**

*Shipyards, continued.**1911, continued.*

397. **Franzius, O., and W. KNOPP.** Die Schwebefähre auf der kaiserlichen Werft, Kiel. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1911. Bd. 55, p. 764-771, 805-811, 877-882.) **VDA**

398. **An Historic yard** (Nederlandsche Fabriek). illus. (Engineer. London, 1911. v. 111, p. 64-65.) **VA**

399. **Langendonck, C. van.** The La Seyne shipbuilding yard of the Forges & Chantiers de la Méditerranée. illus. (American marine engineer. New York, 1911. v. 6, no. 3, p. 28-31.) **† VXA**

400. **McDermaid, Neil J.** Shipyard practice as applied to warship construction. London: Longmans, Green & Co., 1911. 4 p.l., 3-328 p. illus. 8°. **VXT**

401. **The Mitsu-Bishi dockyard and engine works.** illus. (International marine engineering. New York, 1911. v. 16, p. 89-96.) **† VXA**

402. **Plant of the Newport News Shipbuilding and Dry-Dock Company.** illus. (International marine engineering. New York, 1911. v. 16, p. 106-108.) **† VXA**

403. **Die Schichau-Werke in Elbing, Danzig und Pillau.** Berlin (1911). 35 p., 1 port. illus. f°. **†† VXH**

404. **The Shipbuilding and engineering works of Messrs. Gio. Ansaldo-Armstrong & Company.** illus. (International marine engineering. New York, 1911. v. 16, p. 108-113.) **† VXA**

405. **Shipbuilding works at La Seyne.** illus. (Engineer. London, 1911. v. 112, p. 193-194.) **VA**

406. **Shipyard equipment supplement.** illus. (International marine engineering. New York, 1911. v. 16, p. 129-136.) **† VXA**

407. **A 22,000-ton floating dry dock for Brazil.** illus. (International marine engineering. New York, 1911. v. 16, p. 1-7.) **† VXA**

408. **The Works of Messrs. Yarrow & Company, Limited, Scotstown, Glasgow.** illus. (International marine engineering. New York, 1911. v. 16, p. 102-105.) **† VXA**

1912

409. **Coleman, F. C.** The new floating drydocks for the British Admiralty. illus. (International marine engineering. New York, 1912. v. 17, p. 365-367.) **† VXA**

410. **Commentz, Carl.** Stapellaufuntersuchungen und Messungen d. s. d. "Bahia Blanca." illus. (Schiffbau. Berlin, 1912. Jahrg. 13, p. 429-434.) **† VXA**

411. **Harland and Wolff's works at Belfast.** illus. (Engineering. London, 1912. v. 94, p. 3-12, 38-51.) **VDA**

Also supplements, July 5 and 12, 1912.

412. **Die Kaiserlich Werft zu Tsingtau (Kiautschou).** illus. (Schiffbau. Berlin, 1912. Jahrg. 13, p. 307-312.) **† VXA**

413. **Launch of the battle cruiser Queen Mary.** illus. (Engineer. London, 1912. v. 113, p. 297.) **VA**

414. **Launch of H. M. battleship Ajax.** illus. (Engineer. London, 1912. v. 113, p. 331-332.) **VA**

415. **Messrs. Workman, Clark and Co.'s works at Belfast.** 4 pl. illus. (Engineering. London, 1912. v. 94, p. 73-83.) **VDA**

Also supplement, July 19, 1912.

416. **Neue Riesenkräne für Schiffswerften.** illus. (Schiffbau. Berlin, 1912. Jahrg. 13, p. 257-261.) **† VXA**

417. **Opening of the naval drydock, New York.** illus. (Scientific American. New York, 1912. v. 106, p. 473-474.) **VA**

418. **Otterson, J. E.** Navy yard problems. (United States Naval Institute. Proceedings. Annapolis, 1912. v. 38, p. 859-878.) **VXA**

419. **Rath, C.** Haltevorrichtungen für Schiffe auf der Helling. (Schiffbau. Berlin, 1912. Jahrg. 14, p. 124-129.) **† VXA**

420. **Reventlow, Ernst Christian Einar Ludwig Detlev, Graf zu.** The shipbuilding industry of Germany. illus. (Cassier's magazine. New York, 1912. v. 41, p. 369-384.) **VDA**

421. **Schmidt, R.** "Imperator." Das Stapellauf des Schiffes. illus. (Schiffbau. Berlin, 1912. Jahrg. 13, p. 755-764.) **† VXA**

422. **Schoen, J. G. von.** Das Balancier-Schiffshebewerk. (Oesterreichische Wochenschrift für den öffentlichen Baudienst. Vienna, 1912. v. 18, p. 147-150.) **MQA**

423. **Schossberger, O. F.** Projektstudie zu einem Balancier-Schiffshebewerk. illus. (Oesterreichische Wochenschrift für den öffentlichen Baudienst. Vienna, 1912. v. 18, p. 581-584.) **MQA**

424. **Shipbuilding and engineering works at St. Nazaire.** illus. (Engineer. London, 1912. v. 114, p. 7-9, 14.) **VA**

425. **Stocker, Robert, and HENRY WILLIAMS.** The launching of the New York. illus. (United States Naval Institute. Proceedings. Annapolis, 1912. v. 38, p. 1337-1367.) **VXA**

426. **32,000-ton floating dock for the Medway.** illus. (Engineer. London, 1912. v. 114, p. 72-73.) **VA**

Shipyards, continued.

1912, continued.

427. Twenty thousand-ton pontoon floating dry-dock. (International marine engineering. New York, 1912. v. 17, p. 50-53.)
† VXA

428. Two great floating docks. illus. (Marine review. New York, 1912. v. 42, p. 333-337.)
VXA

1913

429. Dockyards and ship-building at Hong Kong. illus. (Engineer. London, 1913. v. 116, p. 163-165.)
VA

430. "Dreadnought" floating dock for the British battleships. illus. (Scientific American supplement. New York, 1913. v. 76, p. 184-185.)
VA

431. Fried. Krupp Germania shipbuilding yard, Kiel. illus. (Engineering. London, 1913. v. 96, p. 610-613, 624.)
VDA

Also supplement, Nov. 7, 1913.

432. A German-built 25,000 ton floating dock. illus. (International marine engineering. New York, 1913. v. 18, p. 287-288.)
† VXA

433. Die Germaniawerft in Kiel. illus. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1913. Bd. 14, p. 681-701.)
† VXA

434. Hiley, A. Launching declivities for ships and their influence upon poppet and way-end pressures. (Institution of Naval Architects. Transactions. London, 1913. v. 55, part 1, p. 181-200.)
VXA

435. — Launching ships. (Engineering. London, 1913. v. 95, p. 790-794, 825-827.)
VDA

436. Die Howaldtswerke in Kiel. illus. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1913. Bd. 14, p. 702-713.)
† VXA

437. Launching a battleship. (Marine review. New York, 1913. v. 43, p. 157-158.)
VXA

438. Leucke. 25000 Tons-Schwimmdock der Vulcan-Werke, Hamburg. 1 pl. illus. (Schiffbau. Berlin, 1913. Jahrg. 14, p. 315-324.)
† VXA

439. Lienau, Otto. Die neuesten Fortschritte deutscher Helling-Förderanlagen. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1913. Bd. 57, p. 1689-1696.)
VDA

440. New dry dock at Manitowoc. illus. (Marine review. New York, 1913. v. 43, p. 79-81.)
VXA

441. Riesen- und Schwimmkrane auf englischen und deutschen Werften. illus. (Ueberall. Berlin, 1913. Jahrg. 15, p. 357-365.)
† VXA

442. Shanghai Dock and Engineering Company, Limited. illus. (Engineer. London, 1913. v. 116, p. 355-356.)
VA

443. Shipbuilding at St. Nazaire and the French battleship Lorraine. (Engineer. London, 1913. v. 116, p. 675-676.)
VA

444. Shipbuilding berth gantries at the Nagasaki yard. illus. (Engineering. London, 1913. v. 95, p. 226-227, 230.)
VDA

445. 12,000-ton floating dry dock at Seattle. illus. (International marine engineering. New York, 1913. v. 18, p. 289-290.)
† VXA

446. Van Duzer, Lewis Sayre. General consideration of navy yard design, location, capacity and maintenance, with plan and description of a large, efficient yard properly located. 2 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1913. v. 21, p. 75-85.)
VXA

1914

447. Bell, E. W. Launching. (Liverpool Engineering Society. Transactions. Liverpool, 1914. v. 35, p. 321-330.)
VDA

448. Gio. Ansaldo e Co. illus. (Engineer. London, 1914. v. 117, supplement, May 8, p. xxiii-xxvii.)
VA

449. Honolulu floating dry dock. illus. (International marine engineering. New York, 1914. v. 19, p. 290-293.)
† VXA

450. Launching arrangements and calculations. (Marine engineer and naval architect. London, 1914. v. 36, p. 200-202.)
VXA

451. Leyland, John. The German dockyards. (Naval annual. London, 1914. p. 169-180.)
VXA

452. The Most modern shipbuilding plant in the world (Blohm & Voss, Hamburg). illus. (Scientific American. New York, 1914. v. 110, p. 100-101.)
VA

453. New Armstrong naval shipbuilding yard. illus. (Engineering. London, 1914. v. 98, p. 1-3.)
VDA

454. New works at Portsmouth dockyard. illus. (Engineering. London, 1914. v. 97, p. 205-208, 239-241, 343, 410-411, 479-481, 514-517, 548-552, 581-582.)
VDA

455. Tawressey, John G. Launching data for a battle ship. 12 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1914. v. 22, p. 91-104.)
VXA

*Shipyards, continued.**1914, continued.*

456. **Wallsend** slipway and engineering works. illus. (Engineering. London, 1914. v. 98, p. 4-6.) **VDA**

Also supplement, July 3, 1914.

1915

457. **Donnelly, W. T.** Shipyard at Prince Rupert terminal. illus. (International marine engineering. New York, 1915. v. 20, p. 121-122.) **† VXA**
458. **Loof, W.** Eine neue Riesen-Blechbiegemaschine für Schiffbauzwecke. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1915. Bd. 59, p. 795-798.) **VDA**
459. **Phelps, H. P.** New shipyard tools and methods. (American Society of Marine Draftsmen. Journal. Washington, 1915. v. 1, p. 132-139.) **† VXA**
460. **Robins Dry Dock & Repair Company.** illus. (Nautical gazette. New York, 1915. v. 88, no. 12, p. 5-10.) **† VXA**
461. **Swan, Hunter, & Wigham Richardson, Ltd.** Floating docks. n. t. p. (Wallsend, Eng., 1915?) 49 p. illus. 12°. **VDM**
462. **The Union Iron Works Company.** illus. (Pacific marine review, San Francisco, 1915. v. 12, no. 5, p. 22-28.) **† TRA**
463. **Works of Canadian Vickers, Limited,** at Montreal. illus. (Engineering. London, 1915. v. 99, p. 157-161.) **VDA**

1916

464. **The American Shipbuilding Company.** illus. (International marine engineering. New York, 1916. v. 21, p. 141-142.) **† VXA**
465. **American shipyards and marine repair plants.** illus. (International marine engineering. New York, 1916. v. 21, p. 113-154.) **† VXA**
466. **Barber, G. H.** Pressure on a vessel's bottom during launching. (International marine engineering. New York, 1916. v. 21, p. 187-189.) **† VXA**
467. **Bethlehem Steel Company's Maryland shipbuilding plant.** illus. (Nautical gazette. New York, 1916. v. 90, no. 9, p. 4-7.) **† VXA**
468. **Churchill, F. A., jr.** Increases shipbuilding facilities. illus. (Iron trade review. Cleveland, 1916. v. 59, p. 172-175.) **† VHA**

American Ship Building Co., Cleveland.

469. **Cox, L. M.** American graving dock practice. (International Engineering Congress, 1915. Transactions. San Francisco, 1916. v. 10, p. 742-788.) **VDA**

470. **De Gelder, M. G.** Shipyard cranes of the Rotterdam Dockyard Company. (Institution of Naval Architects. Transactions. London, 1916. v. 58, p. 222-232.) **VXA**

471. — — (Engineering. London, 1916. v. 101, p. 435-437.) **VDA**

472. **Dohm, G. C.** The new Skinner & Eddy shipyard. illus. (International marine engineering. New York, 1916. v. 21, p. 379-381.) **† VXA**

473. **Fore River Shipbuilding Corporation.** illus. (Nautical gazette. New York, 1916. v. 90, no. 8, p. 5-8.) **† VXA**

474. **The Fore River shipyard.** illus. (International marine engineering. New York, 1916. v. 21, p. 114-117.) **† VXA**

475. **Gatewood, R. D.** Timekeeping in shipyards. (American machinist. New York, 1916. v. 45, p. 675-677.) **VFA**

476. **Great Lakes shipbuilding.** Great Lakes Engineering Works. illus. (Nautical gazette. New York, 1916. v. 90, no. 11, p. 4-7.) **† VXA**

477. **Large ship building shop at Quincy.** illus. (Iron trade review. Cleveland, 1916. v. 59, p. 272-274.) **† VHA**

478. **Large steel-frame ship shed contains special trusses designed for vertical and horizontal crane loading.** illus. (Engineering record. New York, 1916. v. 74, p. 550-552.) **VDA**

479. **Newport News Shipbuilding and Dry Dock Company.** illus. (Nautical gazette. New York, 1916. v. 90, no. 6, p. 4-9.) **† VXA**

480. **Newport News shipyard and repair plant.** illus. (International marine engineering. New York, 1916. v. 21, p. 131-133.) **† VXA**

481. **The New York Shipbuilding Company.** illus. (International marine engineering. New York, 1916. v. 21, p. 121-122.) **† VXA**

482. **Plan of Washington Shipping Corporation's shipyard at Seattle.** illus. (Motorship. Seattle, 1916. v. 1, May, 1916, p. 6.) **† VXA**

483. **Robins dry dock and repair plant.** illus. (International marine engineering. New York, 1916. v. 21, p. 137-139.) **† VXA**

484. **Seattle Construction and Dry-Dock Company.** illus. (International marine engineering. New York, 1916. v. 21, p. 143-144.) **† VXA**

485. **Ship repair yards in New York harbor.** illus. (International marine engineering. New York, 1916. v. 21, p. 139-140.) **† VXA**

Shipyards, continued.
1916, continued.

486. Ship-repairing facilities at the Panama canal. illus. (Shipbuilding and ship-
ping record. London, 1916. v. 7, p. 77-
80.) **VXA**

**487. Shipyard of the Maryland Steel Com-
pany.** illus. (International marine engi-
neering. New York, 1916. v. 21, p. 124-
126.) **VXA**

**488. Skinner-Eddy shipyard well under
way.** illus. (Motorship. Seattle, 1916. v.
1, May, 1916, p. 8, 24.) **† VXA**

**489. Sun shipbuilding plant planned for
rapid production of special standard steam-
ers.** illus. (Engineering record. New
York, 1916. v. 74, p. 498-499.) **VDA**

**490. Swan, Hunter, & Wigham Richard-
son, Limited.** [Description of works.]
n. t.-p. [n. p., 1916?] 40 p., 1 plan. 8°. **VXH**

491. The Union Iron Works. illus. (Pa-
cific marine review. San Francisco, 1916.
v. 13, p. 45-50.) **† TRA**

1917

**492. The Advance in American shipbuild-
ing.** illus. (Iron age. New York, 1917.
v. 99, p. 31-35, 70.) **VDA**

**493. Applications of electricity in the con-
struction of steel ships.** illus. (Electrical
review. Chicago, 1917. v. 71, p. 9-15.) **† VGA**

494. Claudy, Carl Harry. Building the
emergency fleet. (Scientific American. New
York, 1917. v. 116, p. 488.) **VA**

495. Coburn, F. G. Modern management
applied to navy yards. (United States
Naval Institute. Proceedings. Annapolis,
1917. v. 43, p. 955-972.) **VXA**

496. Cohee, T. L. Mold loft notes. (In-
ternational marine engineering. New York,
1917. v. 22, p. 389-393.) **† VXA**

497. De Gelder, M. G. Shipyard cranes.
(Scientific American supplement. New
York, 1917. v. 83, p. 362-363.) **VA**

498. Dohm, G. C. Ames Shipbuilding and
Dry Dock Company. illus. (International
marine engineering. New York, 1917. v.
22, p. 227-230.) **† VXA**

499. Doig, Peter. Launching way-end
pressures. (American Society of Marine
Draftsmen. Journal. Washington, 1917.
v. 3, p. 113-116.) **† VXA**

**500. Enclosed shipbuilding berth for Can-
adian Vickers, Ltd.** illus. (Canadian en-
gineer. Toronto, 1917. v. 33, p. 193-195.) **VDA**

**501. Hillhouse, P. A., and W. H. RIDDLES-
WORTH.** Launching ships. (Engineering.
London, 1917. v. 103, p. 361-364, 374-375.) **VDA**

502. — On launching. (Institution of
Naval Architects. Transactions. London,
1917. v. 59, p. 172-201.) **VXA**

503. — — (Shipbuilding and shipping
record. London, 1917. v. 9, p. 345-348.) **VXA**

**504. J. F. Duthie and Company shipyard
[Seattle].** illus. (International marine en-
gineering. New York, 1917. v. 22, p. 304-
308.) **† VXA**

505. Kennedy, W. M. Industrial manage-
ment principles in shipyard practice. illus.
(Industrial management. New York, 1917.
v. 53, p. 803-817.) **VDA**

506. Kerr, K. C. Seattle's new era of ship
construction. illus. (Universal engineer.
New York, 1917. v. 25, p. 527-535.) **VDA**

507. Launching ships bottom up. illus.
(Shipping. New York, 1917. v. 1, p. 426-
428.) **† TRA**

508. Lucas, Theodore. Practical ship-
building. Shipyard organization and op-
eration explained in detail. (Nautical ga-
zette. New York, 1917. v. 91, no. 12, p.
4-8.) **† VXA**

509. Material handling equipment. illus.
(Pacific marine review. San Francisco,
1917. v. 14, p. 71-73.) **† TRA**

510. A Novel system of launching. (Ship-
building and shipping record. London,
1917. v. 10, p. 348-350.) **† VXA**

511. Phillips, Camillus. Bethlehem — Tu-
bal Cain among shipbuilders. illus. (The
navy and merchant marine. Washington,
1917. v. 1, no. 6, p. 1-14.) **VXA**

512. The Shipyard vs. the submarine.
illus. (Scientific American. New York,
1917. v. 117, p. 418-419.) **VA**

513. The Sloan Shipyards Corporation.
(Motorship. Seattle, 1917. v. 2, no. 8, p.
18-19.) **† VXA**

514. Unique method of launching. (Inter-
national marine engineering. New York,
1917. v. 22, p. 350-353.) **† VXA**

515. Wakeman, S. W. The service de-
partment of a shipyard. (Engineering.
London, 1917. v. 104, p. 624-625.) **VDA**

1918

516. Aberthaw concrete shipyard. illus.
(Contracting. New York, 1918. v. 7, p.
212-213.) **† VEA**

517. Balboa dry dock no. 1. illus. (Ship-
building and shipping record. London,
1918. v. 11, p. 199-204.) **† VXA**

*Shipyards, continued.**1918, continued.*

518. Baldwin, G. J. Building the Hog Island shipyard. (International marine engineering. New York, 1918. v. 23, p. 104-106.) †VXA

519. — Facts about the Hog Island yard. (Marine review. New York, 1918. v. 48, p. 117-119.) VXA

520. Beard, Alexander H. The bridge of ships (Hog Island yard). New York: American International Corporation [1918]. 43 p. illus. 8°. Reprinted from the *Outlook*, August 7, 1918.

521. A Big transportation problem at Hog Island. (Railway age. New York, 1918. v. 64, p. 1020-1023.) TPB

522. Blood, W. H., jr. The Hog Island shipyard. (Stone & Webster journal. Boston, 1918. v. 23, p. 9-13.) VGA

523. Build huge crane for shipyard use. illus. (Marine review. New York, 1918. v. 48, p. 234-237.) VXA

524. La Construction des navires de commerce aux États-Unis. illus. (Génie civil. Paris, 1918. tome 72, p. 93-95.) VA

525. Construction of Newark Bay shipyard. illus. (International marine engineering. New York, 1918. v. 23, p. 161-164.) †VXA

526. Construction of Pearl Harbor drydock completed. illus. (Engineering news-record. New York, 1918. v. 81, p. 173-177.) VDA

527. Drive 15000 piles for pair of thousand-foot shipways. illus. (Engineering news-record. New York, 1918. v. 80, p. 30-32.) VDA

528. Dymont, C. V. West coast shipbuilding. illus. (American review of reviews. New York, 1918. v. 57, p. 619-627.) *DA

529. Eaton, Charles Aubrey. Delaware river shipyards. illus. (American review of reviews. New York, 1918. v. 58, p. 53-63.) *DA

530. Electricity in shipbuilding operations. illus. (Electrical review. Chicago, 1918. v. 71, p. 1-8.) †VGA

531. Estep, Harvey Cole. Handling materials at Hog Island. illus. (Marine review. Cleveland, 1918. v. 48, p. 277-279.) VDA

532. — Hog Island — an American victory. illus. (Marine review. Cleveland, 1918. v. 48, p. 382-388.) VXA

533. Facts about the Hog Island shipyard. (Shipbuilding and shipping record. London, 1918. v. 12, p. 190.) VXA

534. Federal ships erected by derrick travellers built for long service. illus. (Engineering news-record. New York, 1918. v. 80, p. 1129-1132.) VDA

535. The First launching at Hog Island and its significance. illus. (Stone & Webster journal. Boston, 1918. v. 23, p. 76-81.) VGA

536. The Foundation Company — shipbuilders. illus. (International marine engineering. New York, 1918. v. 23, p. 387-394.) †VXA

537. Hog Island. Transforming a brush and sand waste into a shipyard. illus. (Stone and Webster journal. Boston, 1918. v. 22, p. 8-15.) VGA

538. The Hog Island ship yard. illus. (Railway review. Chicago, 1918. v. 62, p. 481-484.) TPB

539. Hog Island yard starts building ships. illus. (International marine engineering. New York, 1918. v. 23, p. 156-160.) †VXA

540. Hog Island's ship-erection equipment. illus. (Engineering news-record. New York, 1918. v. 81, p. 77-80.) VDA

541. Kreutzberg, E. C. Builds plant while fabricating ships. illus. (Marine review. New York, 1918. v. 48, p. 328-330.) VXA

542. A New Furness shipyard. illus. (Engineering. London, 1918. v. 106, p. 82, 90.) VDA

543. A New shipyard on the northeast coast (Furness Shipbuilding Co.). illus. (Engineer. London, 1918. v. 126, p. 73-74, 76.) VA

544. Osier, C. A. Seattle shipbuilders overcome pioneer difficulties and set new speed records. illus. (Engineering news-record. New York, 1918. v. 81, p. 160-164.) VDA

545. The Pictorial story of Hog Island. (Marine review. Cleveland, 1918. v. 48, p. 395-412.) VXA

546. Price, B. K. The compressed air equipment at Hog Island. illus. (Compressed air magazine. New York, 1918. v. 23, p. 8871-8874.) VFM

547. Rapid progress now being made at Hog Island. illus. (Iron age. New York, 1918. v. 101, p. 1063-1066.) VDA

548. Rosing, A. S. Floating dry docks of concrete. illus. (Nautical gazette. New York, 1918. v. 93, no. 21, p. 4.) †VXA

549. Ship builder versus submarine. illus. (Scientific American. New York, 1918, v. 118, p. 278-279, 286.) VA
Hog Island.

550. Shipbuilding in the United States. Hog Island shipbuilding yard. illus. (Engineer. London, 1918. v. 125, p. 554-555.) VA

Shipyards, continued.

1918, continued.

551. **Shipping Board's Bristol plant.** illus. (International marine engineering. New York, 1918. v. 23, p. 165-168.) † VXA

552. **Shipyards of Columbia Engineering Works.** illus. (International marine engineering. New York, 1918. v. 23, p. 294-300.) † VXA

553. **Shipyards of the Sun Shipbuilding Company.** 1 folded pl. illus. (International marine engineering. New York, 1918. v. 23, p. 175-190.) † VXA

554. **The Shooters Island shipyard.** (International marine engineering. New York, 1918. v. 23, p. 191-193.) † VXA

555. **Some more facts about Hog Island shipyard.** (Engineer. London, 1918. v. 126, p. 138.) VA

556. **Three government shipyards huge problem in plant layout.** illus. (Engineering news-record. New York, 1918. v. 80, p. 12-19.) VDA

557. **Tower derricks serve twin shipways at Submarine Boat Corporation yard.** illus. (Engineering news-record. New York, 1918. v. 80, p. 1073-1077.) VDA

558. **Tremendous cost of Hog Island plant.** (Iron age. New York, 1918. v. 101, p. 374-376.) VDA

559. **United States Shipping Board Emergency Fleet Corporation.** Shipyard employment. A place for men to help win the war... Washington, 1918. 54 p. illus. 8°.

560. **World's greatest shipyard at Hog Island now busy building ships to win the war.** illus. (Marine review. New York, 1918. v. 48, p. 242-246.) VXA

561. — (Iron trade review. Cleveland, 1918. v. 62, p. 1054-1058.) † VHA

562. **Young, H. W.** Work of constructing Hog Island shipyard. illus. (Engineering and cement world. Chicago, 1918. v. 12, Feb. 15, 1918, p. 9-14.) † VEA

WOODEN SHIPS

1908

563. **Laas, Walter.** Die grossen Segelschiffe... Berlin: Julius Springer, 1908. viii, 127 p., 77 pl. illus. 4°. † VXH

1909

564. **Magnetic survey yacht Carnegie.** illus. (International marine engineering. New York, 1909. v. 14, p. 47-51.) † VXA

565. **The Non-magnetic survey vessel Carnegie.** illus. (Marine review. New York, 1909. v. 39, no. 5, p. 21-22.) VXA

566. **Ward, Charles.** Shallow-draught river steamers. 63 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1909. v. 17, p. 79-107.) VXA

1910

567. **Dixie, E. A.** The non-magnetic ship "Carnegie." illus. (Scientific American supplement. New York, 1910. v. 69, p. 41-43.) VA

568. **The Six masted schooner Wyoming.** illus. (International marine engineering. New York, 1910. v. 15, p. 1-2.) † VXA

1911

569. **Bureau Veritas.** Rules and regulations for the building and classification of wooden vessels. Year 1911. Paris [1911]. xxi, 58 p., 1 l. 4°. VXH

570. **Canadian lake and river steamer "Saguenay."** (Engineering. London, 1911. v. 92, p. 350-351.) VDA

1912

571. **Bureau Veritas.** Règlement pour la construction et la classification des navires en bois. Année 1912. Paris [1912]. xxi, 63 p., 1 l. 4°. VXH

572. — Rules and regulations for the building and classification of wooden vessels. Year 1912. Paris [1912]. xxi, 60 p., 1 l. 4°. VXH

573. **City of Detroit III., world's largest side wheel steamer.** illus. (International marine engineering. New York, 1912. v. 17, p. 389-396.) † VXA

1915

574. **Burnside, E. A.** Western river steamers and barges. illus. (International marine engineering. New York, 1915. v. 20, p. 478-487.) † VXA

Wooden Ships, continued.

1916

575. Ballin, F. A. Wooden shipbuilding. (Pacific marine review. San Francisco, 1916. v. 13, no. 8, p. 40-43; no. 10, p. 36-39.)

† TRA

576. Fletcher, Andrew. River, lake, bay and sound steamers of the United States. (International Engineering Congress, San Francisco, 1915. Transactions. San Francisco [1916]. 8°. v. 10, p. 124-146.)

VDA

577. Wooden shipbuilding on the Pacific coast. illus. (International marine engineering. New York, 1916. v. 21, p. 402-407.)

VXA

1917

578. American standard wooden steamship. illus. (Engineering. London, 1917. v. 104, p. 90-92.)

VDA

579. Applications of electricity in the construction of wooden ships. (Electrical review. Chicago, 1917. v. 71, p. 16-21.)

† VGA

580. Bogert, J. J. Diagonal strapping in large wooden ships. (International marine engineering. New York, 1917. v. 22, p. 246-247.)

† VXA

581. Carr, M. F. Special composite ship construction. illus. (International marine engineering. New York, 1917. v. 22, p. 360-361.)

† VXA

582. Composite cargo steamer of 5,500 tons for U. S. Shipping Board's emergency fleet. illus. (International marine engineering. New York, 1917. v. 22, p. 336-338.)

† VXA

583. Dabney, Frank. Wooden shipbuilding on Puget Sound. illus. (Stone & Webster journal. Boston, 1917. v. 20, p. 270-272.)

VGA

584. Donnelly, W. T. Problem of the wooden cargo ship. 1 folded plan. illus. (International marine engineering. New York, 1917. v. 22, p. 206-211.)

† VXA

585. Dunn, H. H. Shipbuilding is revived in South. illus. (Marine review. New York, 1917. v. 47, p. 213-218.)

† VXA

586. Estep, Harvey Cole. How wooden ships are built. illus. (Marine review. Cleveland, 1917. v. 47, p. 195-198, 231-237, 257, 283-290, 365-376, 383.)

† VXA

587. Hill, R. C. Wooden ship building on the Pacific coast. illus. (Marine review. New York, 1917. v. 47, p. 63-67.)

† VXA

588. Hough type wooden steamship. illus. (International marine engineering. New York, 1917. v. 22, p. 380-382.)

† VXA

589. Modern methods in wooden ship construction. illus. (Motorship. Seattle, 1917. v. 2, Jan., 1917, p. 12.)

† VXA

590. Les Nouveaux navires mixtes en bois, construites aux États-Unis. illus. (Génie civil. Paris, 1917. tome 70, p. 372-373.)

VA

591. Oakleaf, H. B. Douglas fir (Oregon pine) shipbuilding. (International marine engineering. New York, 1917. v. 22, p. 213-215.)

† VXA

592. The Revival of wooden shipbuilding. illus. (Scientific American supplement. New York, 1917. v. 83, p. 376-377.)

VA

593. Standard wooden steamships for United States Shipping Board Emergency Fleet. 2 folded pl. (International marine engineering. New York, 1917. v. 22, p. 294-299.)

† VXA

594. Tons of steel are used in wooden ships. illus. (Iron trade review. Cleveland, 1917. v. 61, p. 658-659.)

† VHA

595. United States. — Shipping Board Emergency Fleet Corporation. Douglas fir ship. Specifications for the construction of a standard wood steamship. Hull only. May, 1917. (By) Theodore E. Ferris. Washington: Gov. Prtg. Off., 1917. 4, 6 p., 61 l., 4 p. 12°. (no. 4.)

VXHD

596. — Douglas fir ship. Specifications for the construction of a standard wood steamship. May, 1917. (By) Theodore E. Ferris. Washington: Gov. Prtg. Off., 1917. 7, 4 p., 66 l., 2 p., 2 l. 12°. (no. 6.)

VXHD

597. — Lake ship — lock size. Specifications for the construction of a standard wood steamship to be built on the Great Lakes. June, 1917. (By) Theodore E. Ferris. Washington: Gov. Prtg. Off., 1917. 69 l. 12°. (no. 12.)

VXHD

598. — Lake ship — lock size. Specifications for the construction of a standard wood steamship. Hull only. To be built on the Great Lakes. June, 1917. (By) Theodore E. Ferris. Washington: Gov. Prtg. Off., 1917. 63 l. 12°. (no. 13.)

VXHD

599. — Timber schedule and specifications for standard wood steamship, Pacific coast. Largely Douglas fir. May 20, 1917. Washington: Gov. Prtg. Off., 1917. 16 p., 1 l. 12°. (no. 2.)

VXHD

600. — Yellow pine ship. Specifications for the construction of a standard wood steamship. Hull only. May, 1917. (By) Theodore E. Ferris. Washington: Gov. Prtg. Off., 1917. 4 p., 62 l., 3 p. 12°. (no. 3.)

VXHD

601. — Yellow pine ship. Specifications for the construction of a standard wood steamship. May, 1917. (By) Theodore E. Ferris. Washington: Gov. Prtg. Off., 1917. 4, 7 p., 68 l., 2 p., 2 l. 12°. (no. 5.)

VXHD

*Wooden Ships, continued.**1917, continued.*

602. United States government standard wooden steamships. illus. (Engineering. London, 1917. v. 104, p. 90-92.) VDA

603. United States standard twin-screw wooden steamships. illus. (Engineering. London, 1917. v. 104, p. 381-382.) VDA

604. Wood shipbuilding in British Columbia. illus. (Shipping. New York, 1917. v. 1, p. 374-376.) †TRA

605. Wooden cargo carriers for U. S. A. (Marine review. Cleveland, 1917. v. 47, p. 191-193.) †VXA

1918

606. Brenzinger, A. H. Shipbuilding for house carpenters. (Building age. New York, 1918. v. 40, p. 280-281, 332-333.) †VEA

607. Canadian standard wood ship. (Shipping. New York, 1918. v. 2, p. 68-70, 97-98.) †TRA

608. Estep, Harvey Cole. How wooden ships are built. Cleveland, O.: Penton Pub. Co., 1918. xi, 101 p. illus. 4°. VXH

609. Familiar scenes in a modern shipyard. Some facts on wooden construction. (Scientific American supplement. New York, 1918. v. 86, p. 104-105.) VA

610. Grondal, B. L. A problem of wooden shipbuilding. The preservation of hulls. (Scientific American supplement. New York, 1918. v. 85, p. 59.) VA

611. Hill, R. C. Anyox—a new wooden ore carrier. illus. (Marine review. New York, 1918. v. 48, p. 29-32.) VXA

612. Machines for making wooden ships. illus. (Scientific American. New York, 1918. v. 119, p. 33.) VA

613. New Pacific coast steam schooners. illus. (International marine engineering. New York, 1918. v. 23, p. 281-284.) †VXA

614. New types of wooden ships building in Texas. illus. (International marine engineering. New York, 1918. v. 23, p. 292-293.) †VXA

615. Oak steamer built for U. S. illus. (Marine review. Cleveland, 1918. v. 48, p. 418-421.) VXA

616. Oldham, J. R. Wood and steel ships compared. (Nautical gazette. New York, 1918. v. 93, no. 17, p. 6-7.) †VXA

617. Thearle, S. J. P. How wooden ships are laid off. illus. (Marine review. New York, 1918. v. 48, p. 197-201, 252-258.) †VXA

618. Thompson, William John, compiler. Wooden shipbuilding. A comprehensive manual for wooden shipbuilders to which is added a masting and rigging guide. Chicago: A. C. McClurg & Co., 1918. 5 p.l., 202 p. tables. 12°. VXH

619. United States. — Shipping Board Emergency Fleet Corporation. Timber schedule and specifications for standard wood steamship. Gulf and Atlantic coast. Largely southern yellow pine. Revised January 1, 1918. Washington: Gov. Prtg. Off., 1918. 27 l. 12°. (no. 23 revised.) VHXD

620. Van Gaasbeek, Richard Montgomery. Practical course in wooden boat and shipbuilding. Chicago: F. J. Drake & Company [1918]. 1 p.l., 7-204 p. illus. 12°. VXH

621. Wooden ships versus the submarine. Description of various types of wooden ships building for ourselves and the allies. illus. (Scientific American. New York, 1918. v. 118, p. 588-589.) VA

IRON AND STEEL SHIPS

1908

622. Another Brazilian liner [Para]. illus. (International marine engineering. New York, 1908. v. 13, p. 86-88.) †VXA

623. Attilio, Dagnino. The new Italian steamship Europa. illus. (International marine engineering. New York, 1908. v. 13, p. 415-418.) †VXA

624. The Battleship Bellerophon. illus. (International marine engineering. New York, 1908. v. 13, p. 42-43.) †VXA

625. Bell, Thomas. Speed of the Cunard turbine-steamer "Lusitania." illus. (Engineering. London, 1908. v. 85, p. 489-493.) VDA

626. Berry, W. T., and J. H. GARDNER. The steamer Commonwealth. 17 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1908. v. 16, p. 231-246.) VXA

627. Boklevsky, C. Les meilleurs types de bateaux maritimes pour le transport des marchandises. 26 p., 2 pl. 8°. (International Congress on Navigation, St. Petersburg, 1908. Reports. Section 2.) VXA

*Iron and Steel Ships, continued.**1908, continued.*

628. Brazilian battleship "Minas Geraes." illus. (Engineering. London, 1908. v. 86, p. 352.) **VDA**

629. Britain's new turbine battle cruiser Indomitable. illus. (International marine engineering. New York, 1908. v. 13, p. 325-327.) **† VXA**

630. Bruenner, M. A. R. The Berlin marine exhibition. illus. (Cassier's magazine. New York, 1908. v. 34, p. 488-502.) **VDA**

631. Bulgarian torpedo-boats. illus. (Engineering. London, 1908. v. 86, p. 138-139.) **VDA**

Also supplement, July 31, 1908.

632. Clyde-built ships for Austria. (Martha Washington.) illus. (Engineer. London, 1908. v. 106, p. 202.) **VA**

633. Craggs, E. H. Framing of vessels. 11 pl. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. London, 1908. v. 24, p. 289-302, 317-356.) **VXA**

634. ——— (Marine review. New York, 1908. v. 38, no. 1, p. 24-29.) **VXA**

635. The Cunard steamship Mauretania. illus. (International marine engineering. New York, 1908. v. 13, p. 9-12.) **† VXA**

636. Curr, Robert. Lake ship yard methods of steel ship construction. (Marine review. New York, 1908. v. 38, no. 1, p. 36-38; no. 2, p. 16-17; no. 3, p. 22-23; no. 4, p. 22-23; no. 5, p. 26-27; no. 6, p. 36-38; no. 7, p. 22-23; no. 8, p. 22-23; no. 9, p. 26-27; no. 10, p. 58-60; no. 15, p. 26; v. 39, no. 9, p. 38-41; no. 13, p. 39-41; no. 14, p. 94-96; no. 17, p. 269-273; no. 18, p. 316-318; v. 40, no. 2, p. 64-65.) **VXA**

637. ——— Shipbuilding on the Great Lakes. 29 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1908. v. 16, p. 195-209.) **VXA**

638. De Russett, E. W. The design of fast ocean steamers. illus. (Cassier's magazine. New York, 1908. v. 35, p. 90-108.) **VDA**

639. Driessen, Paul. Der Doppelschrauben-Passagier- und Frachtdampfer "George Washington" des Norddeutschen Lloyd. 9 pl. illus. (Schiffbau. Berlin, 1908. Jahrg. 10, p. 265-312.) **† VXA**

640. Egyptian mail turbine-steamers "Heliopolis" and "Cairo." illus. (Engineering. London, 1908. v. 85, p. 560-561, 616-618.) **VDA**

Also supplements, April 24 and May 8, 1908.

641. The Factors of efficiency in the construction of a battleship. illus. (Current literature. New York, 1908. v. 44, p. 327-331.) *** DA**

642. Foerster, Ernst. Die Technik der Weltschiffahrt... Berlin: K. W. Mecklenburg [pref. 1908]. 4 p.l., 167 p., 1 folded diagr., 2 folded pl. illus. 12". (Nautische Bibliothek. Bd. 6-7.) **VXF (Nautische)**

643. Der Für die italienische Marine geeignete Linienschiffstyp. (Germany.—Marine Amt. Marine Rundschau. Berlin, 1908. Jahrg. 19, p. 1147-1162.) **VXA**

644. German naval dockship Vulcan. illus. (Engineer. London, 1908. v. 106, p. 460, 462.) **VA**

645. H. M. battleships "Agamemnon" and "Lord Nelson." illus. (Engineering. London, 1908. v. 86, p. 293-294, 389-390.) **VDA**

Also supplements, Sept. 18 and Sept. 25, 1908.

646. H. M. S. Indomitable. illus. (Engineering. London, 1908. v. 85, p. 704-705.) **VDA**

647. H. M. yacht "Alexandra." illus. (Engineering. London, 1908. v. 85, p. 821-822.) **VDA**

648. Holmes, Samuel. Holmes' tube tanker. (Marine review. New York, 1908. v. 38, no. 19, p. 38-40.) **VXA**

649. Indian pilot cruiser "Lady Fraser." illus. (Engineering. London, 1908. v. 86, p. 87-88.) **VDA**

650. Iron-ore-carrying steamer "Polcir-keln." illus. (Engineering. London, 1908. v. 85, p. 80-81.) **VDA**

651. Isherwood, J. W. A new system of ship construction. (Institution of Naval Architects. Transactions. London, 1908. v. 50, p. 115-137.) **VXA**

652. ——— (Engineering. London, 1908. v. 85, p. 830-834.) **VDA**

653. ——— (Marine engineer and naval architect. London, 1908. v. 30, p. 405-411.) **VXA**

654. Isle of Man turbine steamer "Ben-my-chree." illus. (Engineering. London, 1908-09. v. 86, p. 200, 203; v. 87, p. 511-512.) **VDA**

Also supplement, Aug. 14, 1908.

655. Italian battleship Regina Elena. (Engineer. London, 1908. v. 105, p. 28-29.) **VA**

656. Judaschke, Franz. Der Argo-Dampfer "Schwan." illus. (Schiffbau. Berlin, 1908. Jahrg. 9, p. 363-368.) **† VXA**

657. Kaemmerer, W. Der Turbinendampfer "Tenyo Maru." illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1908. Bd. 52, p. 1662-1667.) **VDA**

*Iron and Steel Ships, continued.**1908, continued.*

658. **Kielhorn, Karl.** Die Winkelprofile im Handelsschiffbau. (Stahl und Eisen. Düsseldorf, 1908. Jahrg. 28, p. 1233-1237.)
VIA
659. **Klitzing.** Das Dockschiff "Vulcan" der kaiserlichen Marine. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1908. Bd. 52, p. 1717-1719.)
VDA
660. **Koon, S. G.** Mallory line steamship Brazos. illus. (International marine engineering. New York, 1908. v. 13, p. 507-514.)
† VXA
661. **Laas, Walter.** Die grossen Segelschiffe... Berlin: Julius Springer, 1908. viii, 127 p., 77 pl. illus. 4°.
† VXH
662. **Lake** passenger steamer City of Cleveland. illus. (International marine engineering. New York, 1908. v. 13, p. 371-378.)
† VXA
663. **Launch of the North Dakota.** illus. (International marine engineering. New York, 1908. v. 13, p. 520-522.)
† VXA
664. **Launch of the White Star Dominion liner Laurentic.** illus. (Marine review. New York, 1908. v. 38, no. 14, p. 30-31.)
VXA
665. **Launching of the Laurentic.** illus. (Engineer. London, 1908. v. 106, p. 291-292.)
VA
666. **McPherson, Allan.** New Egyptian mail turbine steamship Heliopolis. illus. (International marine engineering. New York, 1908. v. 13, p. 1-6.)
† VXA
667. **Mills, J. C.** The giant ore carriers on the Great Lakes. illus. (Cassier's magazine. New York, 1908. v. 35, p. 109-119.)
VDA
668. **The Minas Geraes.** (Engineer. London, 1908. v. 106, p. 260-261.)
VA
669. **New Brazilian liner Verdi.** illus. (International marine engineering. New York, 1908. v. 13, p. 99-101.)
† VXA
670. **New cable ship.** illus. (Engineer. London, 1908. v. 105, p. 4-5, 6, 12.)
VA
671. **A New departure in ship construction.** illus. (Scientific American supplement. New York, 1908. v. 66, p. 177-178.)
VA
- Isherwood system.
672. **New Japanese transpacific liners.** illus. (International marine engineering. New York, 1908. v. 13, p. 279-281.)
† VXA
673. **New royal yacht Alexandra.** illus. (Engineer. London, 1908. v. 105, p. 327-328.)
VA
674. **New survey steamer for the Russian government.** illus. (Engineer. London, 1908. v. 105, p. 566.)
VA
675. **Peltier, Jules G.** The Atlantic liner Chicago. illus. (International marine engineering. New York, 1908. v. 13, p. 438-440.)
† VXA
676. — The French armored cruiser Edgar Quinet. illus. (International marine engineering. New York, 1908. v. 13, p. 235-236.)
† VXA
677. — The French liner Guadeloupe. illus. (International marine engineering. New York, 1908. v. 13, p. 43-45.)
† VXA
678. — Russian armored cruiser Amiral Makaroff. illus. (International marine engineering. New York, 1908. v. 13, p. 448-450.)
† VXA
679. **Recent freight steamship designs.** illus. (Scientific American supplement. New York, 1908. v. 65, p. 200-201.)
VA
680. **Steam collier Everett.** illus. (Engineering. London, 1908. v. 85, p. 178-179.)
VDA
681. **Steam lumber schooners for the Pacific coast.** illus. (International marine engineering. New York, 1908. v. 13, p. 152-156.)
† VXA
682. **Thearle, S. J. P.** The design and building of modern cargo steamers. illus. (Cassier's magazine. New York, 1908. v. 35, p. 28-44.)
VDA
683. **Thornycroft, J. E.** Modern torpedo-boats and destroyers. illus. (Institution of Naval Architects. Transactions. London, 1908. v. 50, p. 59-76.)
VXA
684. — (American Society of Naval Engineers. Journal. Washington, 1908. v. 20, p. 423-438.)
VXA
685. — (Engineering. London, 1908. v. 85, p. 487-489.)
VDA
686. — (Marine engineer and naval architect. London, 1908. v. 30, p. 449-452.)
VXA
687. — (Revista general de marina. Madrid, 1908. tomo 62, p. 1020-1036.)
VXA
688. **Triple-screw turbine-driven Pacific liner "Tenyo Maru."** illus. (Engineering. London, 1908. v. 86, p. 444, 592-596.)
VDA
- Also supplements, Oct. 2 and 30, 1908.
689. **Twin-screw Allan liner "Corsican."** illus. (Engineering. London, 1908. v. 85, p. 46-47.)
VDA
690. **Wallace, W. C.** Some recent inventions as applied to modern steamships. 5 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1908. v. 16, p. 151-165.)
VXA

Iron and Steel Ships, continued.
1908, continued.

691. Welch, John Joseph. The design of modern warships. illus. (Cassier's magazine. New York, 1908. v. 35, p. 3-27.)

VDA

692. West, C. C. Centrifugal pump fireboats. 6 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1908. v. 16, p. 211-230.)

VXA

693. The World's biggest battleships. The "St. Vincent" and "Minas Geraes." illus. (Marine engineer and naval architect. London, 1908. v. 31, p. 75-77.)

VXA

1909

694. Albrecht, Max. Transport des Erdöls und seiner Produkte zu Wasser. illus. (In: C. Engler and H. Höfer, Das Erdöl. Leipzig, 1909. Bd. 2, p. 899-964.)

VHY

695. Attilio, Dagnino. The Italian battleship Roma. illus. (International marine engineering. New York, 1909. v. 14, p. 423-425.)

† VXA

696. Berry, W. T., and J. H. GARDNER. The steamer Commonwealth. illus. (International marine engineering. New York, 1909. v. 14, p. 10-19.)

† VXA

697. ——— (Marine review. New York, 1909. v. 39, no. 14, p. 68-75.)

VXA

698. Brazilian battleship "São Paulo." illus. (Engineering. London, 1909. v. 87, p. 557-558, 560.)

• VDA

699. Brazilian torpedo-boat destroyers. illus. (Engineer. London, 1909. v. 108, p. 4-7.)

VA

700. Car ferry Drottning Victoria. illus. (Marine review. New York, 1909. v. 39, no. 17, p. 242-246.)

VXA

701. Les Contre-torpilleurs de la marine brésilienne. illus. (Génie civil. Paris, 1909. tome 55, p. 385-386.)

VA

702. Corrugated system of ship construction. illus. (Engineer. London, 1909. v. 108, p. 145.)

VA

703. ——— (Scientific American. New York, 1909. v. 101, p. 241.)

VA

704. Croneau. Acorazados modernos. (Revista general de marina. Madrid, 1909. tomo 64, p. 213-269.)

VXA

705. Der Doppelschrauben-Personen- und Frachtdampfer "Prinz Friedrich Wilhelm." illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1909. Bd. 53, p. 22-26, 63-67.)

VDA

706. Fleet colliers Mars, Vulcan and Hector. illus. (Marine review. New York, 1909. v. 39, p. 421-428.)

VXA

707. Die Fortschritte des deutschen Schiffbaues unter besonderer Berücksichtigung der Entwicklung des Norddeutschen Lloyd. Berlin: Hobbing & Co., 1909. 463 p. illus. 4°.

† VXHD

708. Freighter for the A. H. Bull Steamship Company. illus. (Marine review. New York, 1909. v. 39, no. 14, p. 65-68.)

VXA

709. French armoured cruiser Ernest Renan. illus. (Engineer. London, 1909. v. 108, p. 240-242.)

VA

710. The French battleships Diderot and Condorcet. illus. (International marine engineering. New York, 1909. v. 14, p. 381-383.)

† VXA

711. The French dreadnaughts. illus. (Engineer. London, 1909. v. 107, p. 438-441.)

VA

712. Fruit and passenger steamer Tortuguero. illus. (Engineer. London, 1909. v. 108, p. 30-32.)

VA

713. The "George Washington." illus. (Scientific American supplement. New York, 1909. v. 67, p. 408-409.)

VA

714. H. M. S. Cyclops, floating repair shop for the navy. illus. (Engineer. London, 1909. v. 108, p. 77-79.)

VA

Also supplement, July 23, 1909.

715. The Hamburg-American line steamer Cleveland. illus. (International marine engineering. New York, 1909. v. 14, p. 85-89.)

† VXA

716. Haver, A. H. The Monitoria. illus. (International marine engineering. New York, 1909. v. 14, p. 477-479.)

† VXA

717. Holm, Axel. The car ferries of the Danish government. illus. (International marine engineering. New York, 1909. v. 14, p. 123-129.)

† VXA

718. Hunt, H. R. The strength of knees and brackets on beams and stiffeners. 4 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1909. v. 17, p. 109-119.)

VXA

719. Japanese volunteer steamer Sakura Maru. illus. (International marine engineering. New York, 1909. v. 14, p. 203-207.)

† VXA

720. Japanese volunteer turbine steamer "Sakura Maru." illus. (Engineering. London, 1909. v. 87, p. 331-332.)

VDA

721. Kaemmerer, W. Der Frachtdampfer "John Heidmann." illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1909. Bd. 53, p. 1137-1140.)

VDA

722. Kielhorn, Carl. Die Eindeckschiffe nach den neuen Regeln des Englischen Lloyd. (Schiffbau. Berlin, 1909. Jahrg. 11, p. 9-16, 54-58.)

† VXA

Iron and Steel Ships, continued.

1909, continued.

723. — Die Umwälzung in den englischen Schiffbauprofilen. (Stahl und Eisen. Düsseldorf, 1909. Jahrg. 29, p. 1935-1939.) **VIA**

724. Kohlendampfer "John Heidmann." 2 pl. (Schiffbau. Berlin, 1909. Jahrg. 10, p. 714-716.) **† VXA**

725. Kondo, Motoki. Progress of naval construction in Japan. (Institution of Naval Architects. Transactions. London, 1911. v. 53, part 2, p. 50-60.) **VXA**

726. Kurtzahn, Ernst. Der Doppelschraubendampfer "George Washington." illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1909. Bd. 53, p. 1565-1572.) **VDA**

727. Lancashire and Yorkshire Railway Company's turbine steamers. illus. (Engineering. London, 1909. v. 88, p. 757-758, 760.) **VDA**

Also supplement, Dec. 3, 1909.

728. Lang, W. V. Some details of a cargo steamer. (Marine engineer and naval architect. London, 1909. v. 31, p. 318-326.) **VXA**

729. Launch of H. M. S. "Vanguard." illus. (Engineering. London, 1909. v. 87, p. 286, 290-292.) **VDA**

730. Lienau, Otto. Der Doppelschrauben-Passagier- und Frachtdampfer "Berlin." 9 pl. illus. (Schiffbau. Berlin, 1909. Jahrg. 10, p. 651-703.) **† VXA**

731. Life-saving steamship Snohomish. illus. (Engineer. London, 1909. v. 108, p. 144.) **VA**

732. Longitudinally framed ships. illus. (Engineer. London, 1909. v. 107, p. 234-236.) **VA**

733. Lyster, Anthony George, and W. Boyd. The suction dredger "Leviathan." (Institution of Naval Architects. Transactions. London, 1909. v. 51, p. 100-115.) **VXA**

734. — — (Marine engineer and naval architect. London, 1909. v. 31, p. 381-385.) **VXA**

735. Naval repair ship "Cyclops." (Engineering. London, 1909. v. 88, p. 69-71.) **VDA**

Also supplement, July 16, 1909.

736. New methods of steel hull construction. illus. (Marine review. New York, 1909. v. 39, p. 261-262.) **VXA**

737. New Orient Australian mail liner "Orsova." illus. (Engineering. London, 1909. v. 87, p. 715-717.) **VDA**

Also supplement, May 28, 1909.

738. The New Orient liners. illus. (Engineer. London, 1909. v. 107, p. 545-546.) **VA**

739. New railway train ferry service (Sassnitz, Germany, and Trelleborg, Sweden). illus. (Engineer. London, 1909. v. 108, p. 55-56, 107-110, 112.) **VA**

740. New scout cruisers. illus. (Engineering. London, 1909. v. 88, p. 764-765, 767-768.) **VDA**

741. The New steamship Wilhelmina. illus. (International marine engineering. New York, 1909. v. 14, p. 482-486.) **† VXA**

742. New type of self-discharging coaling vessel. illus. (Engineer. London, 1909. v. 108, p. 222-223.) **VA**

743. Norddeutscher - Lloyd twin-screw steamer "George Washington." illus. (Engineering. London, 1909. v. 88, p. 276-280, 282, 286.) **VDA**

Also supplement, Aug. 27, 1909.

744. Northern Navigation Co.'s S. S. Harmonic. illus. (Marine review. New York, 1909. v. 39, p. 279-285.) **† VXA**

745. Olsen, H. M. Danish state railway ferries. 5 pl. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1909. v. 52, p. 180-193.) **VDA**

746. Orient Company's Australian mail liner "Otway." illus. (Engineering. London, 1909. v. 87, p. 745-747, 748-749.) **VDA**

Also supplement, June 4, 1909.

747. Orient Company's twin-screw liners "Otranto" and "Orvieta." (Engineering. London, 1909. v. 88, p. 580-582.) **VDA**

Also supplement, Oct. 29, 1909.

748. Orient line T. S. S. Otranto. (Engineer. London, 1909. v. 108, p. 27.) **VA**

749. Pacific Steam Navigation Company's twin-screw steamer "Orcoma." illus. (Engineering. London, 1909. v. 87, p. 209-211.) **VDA**

Also supplement, Feb. 12, 1909.

750. Paulmann, und BLAUM. Neuere Baggerkonstruktionen. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1909. Bd. 53, p. 1909-1919; Bd. 54, p. 657-663, 707-712, 1269-1276, 1352-1360; Bd. 55, p. 1923-1931, 1970-1976; Bd. 56, p. 1685-1689.) **VDA**

751. Peltier, Jules G. The French armored cruiser Ernest Renan. illus. (International marine engineering. New York, 1909. v. 14, p. 149-151.) **† VXA**

752. Railway ferry steamer "Prins Christian." illus. (Engineering. London, 1909. v. 88, p. 344, 347.) **VDA**

753. Renner, Wilhelm. Schiffbau und Schifffahrt auf den grossen Seen in Nordamerika. illus. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1909. Bd. 10, p. 228-298.) **† VXA**

*Iron and Steel Ships, continued.**1909, continued.*

754. The "Robert Fulton." A record in river steamboat construction. illus. (Scientific American supplement. New York, 1909. v. 67, p. 225-226.) **VA**

755. S. S. George Washington. illus. (International marine engineering. New York, 1909. v. 14, p. 273-276.) **† VXA**

756. Sadler, Herbert Charles. Some points in connection with shipbuilding on the Great Lakes, U. S. A. (Institution of Naval Architects. Transactions. London, 1909. v. 51, p. 220-232.) **VXA**

757. Self-discharging cargo steamers. illus. (Marine review. New York, 1909. v. 39, p. 437-440; v. 40, p. 14-16.) **VXA**

758. Siamese revenue cruiser. illus. (Engineering. London, 1909. v. 87, p. 76.) **VDA**

Also supplement, Jan. 15, 1909.

759. Steel passenger steamer H. B. Kennedy. illus. (Marine review. New York, 1909. v. 39, no. 13, p. 18-23.) **VXA**

760. Stern frames and brackets of the new White Star liners. illus. (Engineer. London, 1909. v. 108, p. 632-633, 636.) **VA**

761. Suanzes, Carlos. Construcción, manejo y organización de los buques de guerra modernos. (Revista general de marina. Madrid, 1909. tomo 65, p. 675-692, 851-864; tomo 66, p. 1-26, 287-304, 441-449, 543-561, 725-763, 947-974; tomo 67, p. 61-98, 261-283, 409-417, 599-647, 749-770, 939-956; tomo 68, p. 81-101, 243-260, 409-422, 575-594, 743-769.) **VXA**

762. Suction dredger "Leviathan." illus. (Engineering. London, 1909. v. 87, p. 570-574.) **VDA**

763. Swedish state railway ferry steamer "Malmö." illus. (Engineering. London, 1909. v. 88, p. 116-118.) **VDA**

764. Taylor, Benjamin. A longitudinally framed ship. illus. (International marine engineering. New York, 1909. v. 14, p. 30-33.) **† VXA**

765. Torpedo-boat destroyers for the Brazilian navy. illus. (Engineering. London, 1909. v. 87, p. 347-349, 352.) **VDA**

Also supplement, March 12, 1909.

766. Train-ferry steamer "Fabius" for Northern Nigeria. illus. (Engineering. London, 1909. v. 88, p. 440-441, 443-444.) **VDA**

767. A Twin-hatch steamer with central deck ballast tank. illus. (Marine engineer and naval architect. London, 1909. v. 31, p. 362-366.) **VXA**

768. United States battleships Delaware and North Dakota. illus. (International marine engineering. New York, 1909. v. 14, p. 465-466.) **† VXA**

769. United States fleet colliers Vestal and Prometheus. illus. (Marine review. New York, 1909. v. 39, p. 339-341.) **VXA**

770. La Veloce liner "America." illus. (Engineering. London, 1909. v. 88, p. 410-412, 418.) **VDA**

Also supplement, Sept. 24, 1909.

771. White Star Canadian liner Laurentic. illus. (Engineer. London, 1909. v. 107, p. 426.) **VA**

772. White Star liner Olympic under construction. illus. (Engineer. London, 1909. v. 108, p. 226.) **VA**

773. White Star liners Olympic and Titanic. illus. (Engineer. London, 1909. v. 108, p. 585.) **VA**

774. Zeyss, G. Entwurf eines Petroleum-Transport-Fahrzeuges. 2 pl. (Schiffbau. Berlin, 1909. Jahrg. 10, p. 511-517, 547-551.) **† VXA**

1910

775. Attilio, Dagnino. The first Italian turbine passenger steamer. illus. (International marine engineering. New York, 1910. v. 15, p. 407-409.) **† VXA**

776. Bacon, Reginald Hugh Spencer. The battleship of the future. (Institution of Naval Architects. Transactions. London, 1910. v. 52, p. 1-21.) **VXA**

777. ——— (Engineer. London, 1910. v. 109, p. 284.) **VA**

778. ——— Le cuirassé de l'avenir. (France. — Ministère de la Marine. Revue maritime. Paris, 1910. tome 187, p. 709-721.) **VA**

779. ——— Das Linienschiff der Zukunft. (Germany. — Marine Amt. Marine Rundschau. Berlin, 1910. Jahrg. 21, p. 585-592.) **VXA**

780. Barry, R. E. Design for a naval collier. illus. (International marine engineering. New York, 1910. v. 15, p. 326-329.) **† VXA**

781. Battleship design. illus. (Engineering. London, 1910. v. 90, p. 305-306, 309.) **VDA**

782. Brazilian battleship "Minas Geraes." illus. (Engineering. London, 1910. v. 89, p. 65-70.) **VDA**

Also supplement, Jan. 21, 1910.

783. Brazilian scout cruisers. illus. (Engineer. London, 1910. v. 109, p. 431.) **VA**

Also supplement, April 29, 1910.

*Iron and Steel Ships, continued.**1910, continued.*

784. **Brazilian scout cruisers.** illus. (Engineer. London, 1910. v. 109, p. 514-516.)
VA

785. **Buchsbaum, G.** Das Isherwood System. illus. (Schiffbau. Berlin, 1910. Jahrg. 12, p. 73-79, 111-114.) † VXA

786. **Bulk-oil steamship J. A. Chanslor.** illus. (International marine engineering. New York, 1910. v. 15, p. 227-231.)
† VXA

787. **Coleman, F. C.** A new type of iron-ore transport. illus. (International marine engineering. New York, 1910. v. 15, p. 241-243.) † VXA

788. — The Swedish train ferry Drottning Victoria. illus. (International marine engineering. New York, 1910. v. 15, p. 10-12.) † VXA

789. **Cunard steamship Franconia.** illus. (Engineer. London, 1910. v. 110, p. 140-141, 144.) VA

790. **Details of the Russian volunteer steamer "Orel."** illus. (Engineering. London, 1910. v. 89, p. 313-314, 316.) VDA
Also supplement, March 11, 1910.

791. **Dietze.** Bekohlungs Ausrüstung der Kohlenschiffe der United States Navy. illus. (Schiffbau. Berlin, 1910. Jahrg. 12, p. 4-10.) † VXA

792. **Double bottoms in modern steel vessels.** illus. (Marine engineer and naval architect. London, 1910. v. 32, p. 203-204, 297-298.) VXA

793. **Eckmann, C. J.** Zur Entstehungsgeschichte der Tankdampfer. (Schiffbau. Berlin, 1910. Jahrg. 11, p. 610-612.) † VXA

794. **European ore-carrying steamship.** illus. (Marine review. New York, 1910. v. 40, p. 169-173.) VXA

795. **Fletcher, R. A.** Steamships. The story of their development to the present day. London: Sidgwick & Jackson, 1910. xx, 421 p. illus. 4°. † VHXD

796. **Four new twin-screw steamers for the Nippon Yusen Kaisha European line.** illus. (International marine engineering. New York, 1910. v. 15, p. 273-277.) † VXA

797. **French Atlantic liner France.** illus. (Engineer. London, 1910. v. 110, p. 417-418.) VA

798. **French destroyer Voltiguer.** illus. (Engineer. London, 1910. v. 109, p. 562-563.) VA

799. **The French liner France.** illus. (International marine engineering. New York, 1910. v. 15, p. 512-514.) † VXA

800. **German battleship "Rheinland."** illus. (Engineering. London, 1910. v. 89, p. 745-746, 748.) VDA

801. **German cruiser Von der Tann.** illus. (Engineer. London, 1910. v. 109, p. 488-489.) VA

802. **Goodrich, Caspar Frederick.** Random notes on a lake freighter. illus. (United States Naval Institute. Proceedings. Annapolis, 1910. v. 36, p. 943-956.) VXA

803. **Grand Trunk Pacific Company's T. S. S. "Prince Rupert."** illus. (Engineering. London, 1910. v. 89, p. 776-778.) VDA
Also supplement, June 17, 1910.

804. **H. M. battleship "Vanguard."** illus. (Engineering. London, 1910. v. 89, p. 209-210.) VDA

805. **H. M. protected cruiser "Newcastle."** illus. (Engineering. London, 1910. v. 90, p. 264-265.) VDA
Also supplement, Aug. 19, 1910.

806. **Handy, I. O.** Some notes on the erection of the Baikal railway ferry steamers. illus. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. London, 1910. v. 26, p. 181-192.) VXA

807. **Hart, G.** L'évolution dans les systèmes de constructions navales. (Société des ingénieurs civils de France. Mémoires et travaux. Paris, 1910. année 1910, semestre 1, p. 417-444.) VDA

808. **Haver, A. H.** Corrugated sides on S. S. "Monitoria" and their effect. 3 pl. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. London, 1910. v. 26, p. 257-281, 285-300, 311-324.) VXA

809. — (Engineer. London, 1910. v. 109, p. 204-205.) VA

810. **The "Jan Breydel" and "Pieter de Coninck" on the Ostend-Dover service.** illus. (Engineering. London, 1910. v. 90, p. 84-88, 90.) VDA
Also supplement, July 15, 1910.

811. **Japanese battleship Satsuma.** illus. (Engineer. London, 1910. v. 109, p. 386.) VA

812. **Kaemmerer, W.** Die Eisenbahnfahr-schiffe "Deutschland" und "Preussen." illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1910. Bd. 54, p. 1-5.) VDA

813. **Knipping, P.** Die deutschen Fischdampfertypen. 2 pl. (Schiffbau. Berlin, 1910. Jahrg. 11, p. 459-463.) † VXA

814. **The Largest ship: the "Europa."** illus. (Scientific American. New York, 1910. v. 103, p. 481, 487.) VA

*Iron and Steel Ships, continued.**1910, continued.*

815. Latest French torpedo-boat destroyers. (Engineer. London, 1910. v. 109, p. 245-246.) **VA**

Also supplement, March 11, 1910.

816. Launch of the Cunard steamship Franconia. illus. (Engineer. London, 1910. v. 110, p. 114.) **VA**

817. Launch of H. M. S. "Colossus." illus. (Engineering. London, 1910. v. 89, p. 476, 482.) **VDA**

818. Launch of the Olympic. illus. (Engineer. London, 1910. v. 110, p. 433-435, 462.) **VA**

Also supplements, Oct. 21 and Oct. 28, 1910.

819. Launch of the Olympic. illus. (International marine engineering. New York, 1910. v. 15, p. 489-495.) **† VXA**

820. Launching of the S. S. "Olympic." illus. (American marine engineer. Chicago, 1910. v. 5, no. 11, p. 7-10.) **† VXA**

821. Launching the William P. Palmer. illus. (Marine review. New York, 1910. v. 40, p. 442-447.) **VXA**

822. The Launching of the world's greatest ship. illus. (Scientific American. New York, 1910. v. 103, p. 380, 391.) **VA**

823. Mine-laying and torpedo-regulation vessel for Portugal. illus. (Engineering. London, 1910. v. 90, p. 362-363.) **VDA**

824. Modern torpedo boat destroyers. (International marine engineering. New York, 1910. v. 15, p. 329-333.) **† VXA**

825. Mueller, Ernst. Eisenschiffbau. Leipzig: B. G. Teubner, 1910. vi, 170 p. illus. 8°. **VXHK**

826. New American-Hawaiian steamers. illus. (International marine engineering. New York, 1910. v. 15, p. 399-403.) **† VXA**

827. New British scout cruisers. (Engineer. London, 1910. v. 109, p. 61.) **VA**

828. The New Castle liner Balmoral Castle. illus. (International marine engineering. New York, 1910. v. 15, p. 45-47.) **† VXA**

829. The New Cunard liner "Franconia." illus. (Marine engineer and naval architect. London, 1910. v. 33, p. 44-47.) **VXA**

830. A New departure in American shipbuilding. illus. (International marine engineering. New York, 1910. v. 15, p. 355-357.) **† VXA**

831. A New lake passenger steamer. illus. (International marine engineering. New York, 1910. v. 15, p. 366-370.) **† VXA**

832. New Queensborough and Flushing mail steamers. illus. (Engineering. London, 1910. v. 89, p. 40-42.) **VDA**

833. The New river steamers City of Philadelphia and City of Wilmington. illus. (International marine engineering. New York, 1910. v. 15, p. 133-136.) **† VXA**

834. The New Russian battleships. illus. (Engineering. London, 1910. v. 89, p. 652-654.) **VDA**

835. The New Spanish navy. illus. (Engineering. London, 1910. v. 90, p. 77-80, 82.) **VDA**

836. New steamers for the Nippon Yusen Kaisha. illus. (Engineering. London, 1910. v. 89, p. 142-144, 146, 210, 212.) **VDA**

Also supplements, Feb. 4 and Feb. 18, 1910.

837. New type of ore-carrying steamship. illus. (Engineer. London, 1910. v. 109, p. 278, 282-283.) **VA**

838. Oesten, K. Doppelschrauben Fracht- und Passagierdampfer "Cincinnati." 3 pl. illus. (Schiffbau. Berlin, 1910. Jahrg. 11, p. 312-316.) **† VXA**

839. Paddle steamer Weeroona. illus. (Engineer. London, 1910. v. 110, p. 629-630.) **VA**

840. Passenger and freight steamships City of Montgomery and City of St. Louis. illus. (International marine engineering. New York, 1910. v. 15, p. 293-297.) **† VXA**

841. S.S. Herman Frasch. illus. (International marine engineering. New York, 1910. v. 15, p. 66-70.) **† VXA**

842. The Second turbine steamer for the Japanese volunteer fleet. illus. (International marine engineering. New York, 1910. v. 15, p. 87-90.) **† VXA**

843. South African mail steamer "Balmoral Castle." (Engineering. London, 1910. v. 89, p. 449-450, 478.) **VDA**

Also supplements, April 8, April 15 and April 29, 1910.

844. Strouse, M. H. A new fireboat for Seattle, Wash. (Engineering news. New York, 1910. v. 63, p. 716-717.) **VDA**

845. T. S. survey steamer Cartier. illus. (Engineer. London, 1910. v. 109, p. 638-639.) **VA**

846. Das Torpedoboot. (Germany.—Marine Amt. Marine Rundschau. Berlin, 1910. Jahrg. 21, p. 947-964.) **VXA**

847. Trials of the Brazilian battleship "São Paulo." illus. (Engineering. London, 1910. v. 89, p. 722-724.) **VDA**

848. Tribal class of destroyers. illus. (Engineer. London, 1910. v. 109, p. 314.) **VA**

Iron and Steel Ships, continued.

1910, continued.

849. Turbine cross-channel steamer *Caesarea*. illus. (Engineer. London, 1910. v. 110, p. 358.) **VA**

850. Twin-screw yacht *Lien-Ching*. illus. (Engineer. London, 1910. v. 110, p. 383, 384.) **VA**

851. The U. S. colliers *Mars*, *Vulcan* and *Hector*. illus. (International marine engineering. New York, 1910. v. 15, p. 25-29.) **VXA**

852. Weihe, H., and O. BERNDT. Einleitung. Baggermaschinen, Rammen und zugehörige Hilfsmaschinen, Wasserhebe-
maschinen. Leipzig: Wilhelm Engelmann, 1910. xvi, 471(1) p., 21., 14 pl. 4°. (In: Handbuch der Ingenieurwissenschaften. 3. ed. Teil 4, Bd. 1.) **VDM**

853. White Star line. illus. (Engineer. London, 1910. v. 109, supplement, June 24.) **VA**

854. White Star liner "*Olympic*." illus. (Engineering. London, 1910. v. 90, p. 564-572, 620-621, 693-695, 698.) **VDA**

Also supplements, Oct. 21, Nov. 4, Nov. 18, 1910.

855. The White Star liner *Olympic*. illus. (Marine engineer and naval architect. London, 1910. v. 33, p. 126-127.) **VXA**

856. White Star liners *Olympic* and *Titanic*. illus. (Engineer. London, 1910. v. 109, p. 231.) **VA**

1911

857. Argentine ocean-going turbine destroyers. (Engineer. London, 1911. v. 111, p. 60-61.) **VA**

858. Attilio, Dagnino. Italy's first turbine-driven cruiser, the *San Marco*. illus. (International marine engineering. New York, 1911. v. 16, p. 477-480.) **VXA**

859. The Australian navy. illus. (Engineering. London, 1911. v. 92, p. 566, 570-571.) **VDA**

860. Bodenmueller, Albert. Der kleine geschützte Kreuzer "*Uruguay*." illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1911. Bd. 55, p. 1-7, 62-70.) **VDA**

861. Bureau Veritas. Rules and regulations for the building and classification of steel vessels. Year 1911. Paris 1911. xxi, 274 p., 11. 4°. **VXH**

862. Canadian lake and river steamer "*Saguenay*." illus. (Engineering. London, 1911. v. 92, p. 348-351.) **VDA**

Also supplement, Sept. 15, 1911.

863. Canadian Pacific Railway's oil-fuel-burning T. S. S. "*Princess Alice*." illus. (Engineering. London, 1911. v. 92, p. 764-766, 768.) **VDA**

864. Chinese training cruiser "*Ying Swei*." illus. (Engineering. London, 1911. v. 92, p. 826.) **VDA**

Also supplement, Dec. 22, 1911.

865. Cunard steamship *Laconia*. illus. (Engineer. London, 1911. v. 112, p. 125-126.) **VA**

866. Curr, Robert. Isherwood system of framing for small vessels. illus. (Marine review. New York, 1911. v. 41, p. 132-133, 185-187, 216-218.) **VXA**

867. Description of the U. S. suction dredge "*New Orleans*." illus. (American marine engineer. New York, 1911. v. 6, no. 11, p. 7-9.) **VXA**

868. Design and performance of the transpacific liners *Tenyo Maru* and *Chiyo Maru*. (Engineer. London, 1911. v. 112, p. 137-138.) **VA**

869. Dobson, W. A. Designing and constructing an ocean-going steamer. illus. (Scientific American. New York, 1911. v. 105, p. 52-55.) **VA**

870. Der Doppelschrauben-Salondampfer "*Hela*." 2 pl. (Schiffbau. Berlin, 1911. Jahrg. 12, p. 326-329.) **VXA**

871. Fleet collier *Cyclops*. illus. (Marine review. New York, 1911. v. 41, p. 26-30.) **VXA**

872. French Atlantic liner *France*. illus. (Engineer. London, 1911. v. 110, p. 417-418.) **VA**

873. French battleships. illus. (Engineer. London, 1911. v. 111, p. 266-267.) **VA**

874. French battleships *Jean Bart* and *Courbet*. illus. (Engineer. London, 1911. v. 112, p. 412.) **VA**

875. Giraud, J. E. L'évolution des cargos pour matières pondéreuses. illus. (Génie civil. Paris, 1911. tome 58, p. 199-204, 225-229.) **VA**

876. Graemer, L. Drei Fährdampfer. 5 pl. illus. (Schiffbau. Berlin, 1911. Jahrg. 13, p. 1-6.) **VXA**

877. H. M. battleship "*Colossus*." illus. (Engineering. London, 1911. v. 91, p. 439-441.) **VDA**

Also supplement, April 7, 1911.

878. H. M. battleship "*Monarch*." illus. (Engineering. London, 1911. v. 91, p. 455-456.) **VDA**

879. H. M. S. *Dartmouth*. illus. (Engineer. London, 1911. v. 111, p. 174.) **VA**

880. H. M. S. *Monarch*. illus. (Engineer. London, 1911. v. 111, p. 406-407.) **VA**

*Iron and Steel Ships, continued.**1911, continued.*

881. H. M. S. Thunderer. illus. (Engineer. London, 1911. v. 111, p. 112-114.) VA
882. Japanese Pacific liner Shinyo-Marui. illus. (Engineer. London, 1911. v. 112, p. 537-538.) VA
883. Kielhorn, Carl. Die neue Richtung im Handelsschiffbau. (Schiffbau. Berlin, 1911. Jahrg. 12, p. 611-614, 657-663, 736-742.) †VXA
884. Kirby, F. E. Shipping on the Great Lakes. illus. (Engineering. London, 1911. v. 92, p. 62-64.) VDA
Also supplement, July 14, 1911.
885. Kleine Kreuzer und ihre Verwendung. (Austria. — Marine-Technische Komitee. Mitteilungen aus dem Gebiete des Seewesens. Pola, 1911. Jahrg. 39, p. 1115-1127.) VXA
886. — (France. — Ministère de la Marine. Revue maritime. Paris, 1912. tome 192, p. 447-461.) VXA
887. Kondo, Motoki. Progress of naval construction in Japan. illus. (Engineering. London, 1911. v. 92, p. 15-18.) VDA
888. La Bolina, Jack, pseud. Nuevo tipo de acorazado de linea. (Centro naval, Buenos Aires. Boletín. Buenos Aires, 1911. tomo 29, p. 885-894.) VXA
889. Launch of cruiser-battleship New Zealand. illus. (Engineer. London, 1911. v. 112, p. 241-242.) VA
890. Launch of H. M. S. Yarmouth. illus. (Engineer. London, 1911. v. 111, p. 414.) VA
891. Launch of the Titanic. (Engineer. London, 1911. v. 111, p. 567, 575.) VA
892. Lienau, Otto. Die Entwicklung und die Zukunft des Massentransportes von Kohle und Erz über See. illus. (Stahl und Eisen. Düsseldorf, 1911. Jahrg. 31, p. 1077-1085.) VIA
893. Martin, K. G. The largest naval collier in the world (U. S. S. Cyclops). illus. (International marine engineering. New York, 1911. v. 16, p. 495-498.) †VXA
894. Montgomerie, James. The arrangement and construction of oil vessels. illus. (Cassier's magazine. New York, 1911. v. 40, p. 737-752.) VDA
895. New cross-channel steamers for the Southeastern and Chatham Railway. illus. (Engineer. London, 1911. v. 112, p. 520-521.) VA
896. New Cunard liner "Franconia." illus. (Engineering. London, 1911. v. 91, p. 246-248.) VDA
Also supplement, Feb. 24, 1911.
897. New French dreadnaught drydocks. illus. (Engineer. London, 1911. v. 111, p. 7-8.) VA
898. New Italian dreadnought Conte di Cavour. illus. (Engineer. London, 1911. v. 112, p. 152.) VA
899. The New White Star liner "Olympic." illus. (Scientific American. New York, 1911. v. 105, p. 8-9.) VA
900. Los Nuevos destroyers argentinos. (Centro naval, Buenos Aires. Boletín. Buenos Aires, 1911. tomo 29, p. 637-647.) VXA
901. An Ocean-going oil engine ship. illus. (Engineer. London, 1911. v. 111, p. 10-12, 33-35.) VA
902. The Olympic and Titanic. illus. (Engineer. London, 1911. v. 111, p. 209-215.) VA
Also illustrated supplement, March 3, 1911.
903. The "Olympic" and the "Titanic." illus. (Scientific American supplement. New York, 1911. v. 71, p. 380-383.) VA
904. Owen, H. Ship economics; providing practical aids for shipmasters in regard to repairs, maintenance, surveys, and construction... London: G. Phillip & Son, 1911. xi, 137 p. illus. 8°. VXHB
905. P. and O. steamer Medina. illus. (Engineer. London, 1911. v. 112, p. 326.) VA
906. Passenger accommodation of the White Star liner "Olympic." illus. (Engineering. London, 1911. v. 91, p. 789, 792.) VDA
907. Quatre nouveaux types de Dreadnoughts. (France. — Ministère de la Marine. Revue maritime. Paris, 1911. tome 189, p. 97-108.) VXA
908. Schaffran, Karl. Flachgehender Fracht- und Passagier-Seitenraddampfer für die Fahrt Tjumen-Tobolsk. illus. (Schiffbau. Berlin, 1911. Jahrg. 13, p. 208-213.) †VXA
909. Spanish gunboat "Recalde." illus. (Engineering. London, 1911. v. 92, p. 288.) VDA
Also supplement, Sept. 1, 1911.
910. A Tank steamer for the molasses trade. illus. (International marine engineering. New York, 1911. v. 16, p. 20-25.) †VXA
911. Turbine-driven steamer "Newhaven." illus. (Engineering. London, 1911. v. 92, p. 642.) VDA
Also supplement, Nov. 10, 1911.
912. Twin-screw refrigerated meat steamer. illus. (Engineer. London, 1911. v. 112, p. 618-619.) VA

Iron and Steel Ships, continued.

1911, continued.

913. Verth, M. zur. Das Lazarettsschiff. (Germany. — Marine Amt. Marine Rundschau. Berlin, 1911. Jahrg. 22, p. 868-883.) VXA

914. The White Star liner "Olympic." illus. (Engineering magazine. New York, 1911. v. 41, p. 649-657.) VDA

915. The White Star liner "Titanic." illus. (Engineering. London, 1911. v. 91, p. 678-681.) VDA

Also supplement, May 26, 1911.

916. White Star liners Olympic and Titanic. illus. (Engineer. London, 1911. v. 110, p. 38, 40, 196.) VA

917. White Star liners "Olympic" and "Titanic." illus. (Marine engineer and naval architect. London, 1911. v. 33, p. 416-417, 440-450.) VXA

918. The World's greatest ship — the "Olympic." illus. (Scientific American supplement. New York, 1911. v. 71, p. 72-73.) VA

919. The World's largest bulk freighter. illus. (Marine review. New York, 1911. v. 41, p. 408-413.) VXA

920. The World's largest steamship [Olympic]. illus. (Marine review. New York, 1911. v. 41, p. 245-259.) VXA

1912

921. Attilio, Dagnino. The first Italian dreadnought Dante Alighieri. illus. (International marine engineering. New York, 1912. v. 17, p. 481-488.) † VXA

922. Attwood, Edward Lewis. War-ships. A text-book on the construction, protection, stability, turning, etc., of war vessels. London: Longmans, Green & Co., 1912. 342 p. illus. 5. ed. 8°. VXR

923. Battleships of the new "Kaiser" class. illus. (Engineer. London, 1912. v. 113, p. 316-318.) VA

924. Borckenhagen. Évolution des types récents de navires de guerre. (France. — Ministère de la Marine. Revue maritime. Paris, 1912. tome 194, p. 497-511; tome 195, p. 169-185.) VXA

925. Bureau Veritas. Règlement pour la construction et la classification des navires en acier. Année 1912. Paris [1912]. xxi, 315 p. 4°. VXH

926. City of Detroit III; world's largest side wheel steamer. illus. (International marine engineering. New York, 1912. v. 17, p. 389-396.) † VXA

927. Coleman, C. F. New battle cruisers — launch of the Kongo. illus. (International marine engineering. New York, 1912. v. 17, p. 313-317.) † VXA

928. — Self-discharging collier. illus. (Marine review. New York, 1912. v. 42, p. 393-399.) VXC

929. Cross-channel passenger steamer Greenore. illus. (Engineer. London, 1912. v. 114, p. 234.) VA

930. Cunard liner Aquitania. illus. (Engineer. London, 1912. v. 113, p. 573.) VA
Also supplement, May 31, 1912.

931. Cunard liner Laconia. illus. (Engineer. London, 1912. v. 113, p. 85-87.) VA
Also supplement, Jan. 26, 1912.

932. Curr, Robert. Isherwood system of construction. illus. (Marine review. New York, 1912. v. 42, p. 291-292, 350-351, 388-389, 403-404; v. 43, p. 29-30, 72-73, 86-87, 149, 186-188, 207-209, 250, 340-341; v. 44, p. 310-311, 340-341, 379-380, 420-421, 462-463; v. 45, p. 17-19, 71, 126, 165-166, 202-204, 259-261, 301-302, 331-332.) † VXA

933. Danish torpedo-boat "Soridderen." illus. (Engineering. London, 1912. v. 93, p. 118.) VDA

Also supplement, Jan. 26, 1912.

934. Donnelly, W. T., and G. A. ORROK. An electrically propelled fireproof passenger steamer. 12 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1912. v. 20, p. 169-200.) VXA

935. First Clyde-built motorship, Jutlandia. illus. (Engineer. London, 1912. v. 113, p. 525, 539.) VA

936. Foerster, E. Der Doppelschraubendampfer "Cap Finisterre." illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1912. Bd. 56, p. 1341-1349, 1396-1401.) VDA

937. Die Franzoesischen Schlachtschiffe "Jean Bart" und "Courbet." (Austria. — Marine-Technische Komitee. Mitteilungen aus dem Gebiete des Seewesens. Pola, 1912. Jahrg. 40, p. 64-70.) VXA

938. French destroyers Daque and Cimeterre. illus. (Engineer. London, 1912. v. 114, p. 181.) VA

939. French liner France. illus. (Engineer. London, 1912. v. 113, p. 442.) VA

940. French trans-Atlantic liner "Rochambeau." illus. (Engineering. London, 1912. v. 94, p. 704-705, 712, 742.) VDA

Also supplement, Nov. 22 and Nov. 29, 1912.

941. Geynet, G. Le contre-torpilleur. Ce qu'il est et ce qu'il devrait être d'après les enseignements de la guerre russo-japonaise. (France. — Ministère de la Marine. Revue maritime. Paris, 1912. tome 192, p. 312-355; tome 193, p. 382-402, 752-765; tome 194, p. 48-65, 315-336.) VXA

*Iron and Steel Ships, continued.**1912, continued.*

942. Graemer, L. Das neue Feuerschiff für die erste Station der Elbe. 3 pl. illus. (Schiffbau. Berlin, 1912. Jahrg. 13, p. 715-722, 764-770.) † VXA

943. Greek torpedo-boat destroyers. (Engineering. London, 1912. v. 94, p. 642, 644.) VDA

Also supplement, Nov. 8, 1912.

944. Gregory, H. B. Battleship Florida. illus. (International marine engineering. New York, 1912. v. 17, p. 191-198.) † VXA

945. — United States battleships Wyoming and Arkansas. illus. (International marine engineering. New York, 1912. v. 17, p. 397-404.) † VXA

946. H. M. battle-cruiser "Lion." illus. (Engineering. London, 1912. v. 93, p. 4-6.) VDA

Also supplement, Jan. 5, 1912.

947. The Hamburg-American company's new 50,000 ton liner (Imperator). illus. (International marine engineering. New York, 1912. v. 17, p. 301-304.) † VXA

948. Hamburg-Amerika passenger and freight steamer "Imperator." (Engineering. London, 1912. v. 93, p. 699.) VDA

949. Heesch, Otto. Seitenradschleppdampfer "Hugo Marcus" und "Hapsburg." illus. (Schiffbau. Berlin, 1912. Jahrg. 14, p. 8-16.) † VXA

950. Imperial German cruiser Goeben. illus. (Engineer. London, 1912. v. 114, p. 249-250.) VA

951. Japanese battle-cruiser Kongo. illus. (Engineer. London, 1912. v. 113, p. 540.) VA

952. Japanese battle-cruiser "Kongo." (Engineering. London, 1912. v. 93, p. 655-657, 664, 705-706.) VDA

Also supplement, May 17, 1912.

953. Laas, Walter. Die Schiffe und ihre Maschinenanlagen. illus. (In: Die Technik im zwanzigsten Jahrhundert. Braunschweig, 1912. Bd. 4, p. 59-113.) VBA

954. The Largest ship yet constructed. The launch of the 65,000 ton liner "Imperator." illus. (Scientific American. New York, 1912. v. 107, p. 5-6.) VA

955. Latest dreadnoughts for South American republics. illus. (International marine engineering. New York, 1912. v. 17, p. 20-24.) † VXA

956. Launch of the Titanic. illus. (International marine engineering. New York, 1912. v. 16, p. 281-283.) † VXA

957. Lienau, Otto. Fortschritte in den britischen Schiffbaubetrieben. (Schiffbau. Berlin, 1912. Jahrg. 14, p. 1-8, 43-48.) † VXA

958. MacIlwaine, G. S. The corrugated ship. illus. (Royal United Service Institution. Journal. London, 1912. v. 56, p. 1515-1534.) VWA

959. Motorship Evestone. illus. (Engineer. London, 1912. v. 114, p. 433-437.) VA

960. Naval collier Orion. illus. (Marine review. New York, 1912. v. 42, p. 327-329.) VXA

961. The New Buffalo steamer "See-and-Bee." illus. (Marine review. New York, 1912. v. 42, p. 366-379.) VXA

962. New French line steamship France. illus. (International marine engineering. New York, 1912. v. 17, p. 238-241.) † VXA

963. New tank steamer for the Gulf Refining Company. illus. (International marine engineering. New York, 1912. v. 17, p. 109-112.) † VXA

964. Our latest battleships, the "Nevada" and "Oklahoma." illus. (Scientific American. New York, 1912. v. 106, p. 212, 225.) VA

965. Der Petroleumtransport zur See und die neueste Entwicklung der Tankschiffe. (Schiffbau. Berlin, 1912. Jahrg. 14, p. 168-171, 207-212, 241-243, 331-335.) † VXA

966. Popp, M. Entwurf eines Sauge-Hopper-Baggers nach dem System Frühling. 8 pl. illus. (Schiffbau. Berlin, 1912. Jahrg. 13, p. 587-591.) † VXA

967. Rougé, J. Constructions navales coque. Paris: O. Doin & fils, 1912. xi p., 21., 303, xii p. illus. 12°. (Encyclopédie scientifique. Bibliothèque de mécanique appliquée et génie.) VXR

968. Sea-going gas-driven cargo vessels. illus. (Engineer. London, 1912. v. 113, p. 176-178.) VA

969. Shallow draught steamer Comte de Flandre. illus. (Engineer. London, 1912. v. 114, p. 684-685.) VA

970. Side wheel steamer City of Detroit III. illus. (Marine review. New York, 1912. v. 42, p. 213-221.) † VXA

971. Stern frame and brackets of the Cunard liner Aquitania. illus. (Engineer. London, 1912. v. 113, p. 468-469.) VA

972. Stranraer and Larne turbine steamer "Princess Victoria." illus. (Engineering. London, 1912. v. 94, p. 422, 428.) VDA

Also supplement, Sept. 27, 1912.

Iron and Steel Ships, continued.

1912, continued.

973. Talbot, Frederick Arthur Ambrose. Steamship conquest of the world. Philadelphia: J. B. Lippincott Co. [1912.] xii, 344 p., 48 pl. 8°. **VXH**

974. Three submarine tenders. illus. (Engineer. London, 1912. v. 113, p. 459.) **VA**

975. Transporter ship "Kangaroo" for submersible boats. illus. (Engineering. London, 1912. v. 94, p. 86-88, 90.) **VDA**

976. Twin screw motor ship Selandia. illus. (Engineer. London, 1912. v. 113, p. 247-248, 269-271, 292-293.) **VA**

977. United States.—Construction and Repair Bureau. Instructions for riveting naval vessels... Edition of 1912. Washington: Gov. Prtg. Off., 1912. 23 p. 12°. **VXH**

978. United States collier Jupiter. illus. (Marine review. New York, 1912. v. 42, p. 300-303.) **VXA**

979. United States collier Neptune. illus. (Engineer. London, 1912. v. 113, p. 488.) **VA**

980. Vessel for transporting submarines. illus. (Engineer. London, 1912. v. 113, p. 594.) **VA**

981. Walker, John Bernard. The "unsinkable" ship. illus. (Scientific American. New York, 1912. v. 106, p. 417-418.) **VA**

982. — An unsinkable Titanic; every ship its own lifeboat. New York: Dodd, Mead & Co., 1912. 3 p.l., v-xi, 185 p., 1 pl. illus. 12°. **VXHD**

983. White, Sir William Henry. Die Änderungen in den Kriegsschiffskonstruktionen der letzten Jahre. (Germany.—Marine Amt. Marine Rundschau. Berlin, 1912. Jahrg. 23, p. 1192-1203.) **VXA**

984. — Recent changes in warship design. (Naval annual. London, 1912. p. 124-145.) **VXA**

985. World's largest bulk freighters built on the Great Lakes. illus. (International marine engineering. New York, 1912. v. 17, p. 345-352.) **†VXA**

986. Zueblin. Die Torpedokreuzer "Catamarca" und "Jujuy" der argentinischen Marine. 2 pl. illus. (Schiffbau. Berlin, 1912. Jahrg. 13, p. 669-673, 723-728.) **†VXA**

1913

987. Allan liner "Alsation." illus. (Engineering. London, 1913. v. 96, p. 853-857, 858.) **VDA**

Also supplement, Dec. 26, 1913.

988. The "Aquitania." illus. (Scientific American supplement. New York, 1913. v. 75, p. 264-266.) **VA**

989. Attwood, Edward Lewis. The modern warship. Cambridge: University Press, 1913. vii, 146 p. 12°. **VXR**

990. Ballard, Maxwell. Some notes on the arch principle of ship construction. 7 pl. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. Newcastle-upon-Tyne, 1913. v. 29, p. 85-141.) **VXA**

991. Behn. Bagger und Baggergeräte für die kaiserliche Hafenbauabteilung Helgoland. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1913. Bd. 57, p. 1849-1856.) **VDA**

992. Das Brasilianische Schlachtschiff "Rio de Janeiro." illus. (Austria.—Marine-Technische Komitee. Mitteilungen aus dem Gebiete des Seewesens. Pola, 1913. Jahrg. 41, p. 318-325.) **VXA**

992a. Brazilian battleship "Rio de Janeiro." illus. (Engineering. London, 1913. v. 95, p. 114-118, 124.) **VDA**

Also supplement, Jan. 24, 1913.

993. Burgoyne, Alan Hughes. Recent developments in battleship type. (Institution of Naval Architects. Transactions. London, 1913. v. 55, part 1, p. 1-19.) **VXA**

994. — — (Engineering. London, 1913. v. 95, p. 350-356.) **VDA**

995. Cargo ship "France." illus. (Engineering. London, 1913. v. 96, p. 488-489, 491-494.) **VDA**

996. Casimir-Perier, Claude. Brest-Transatlantique. (Société de géographie commerciale de Paris. Bulletin mensuel. Paris, 1913. tome 35, p. 86-112.) **TLA**

997. Channel steamer "Paris." illus. (Engineering. London, 1913. v. 96, p. 749-754.) **VDA**

Also supplement, Dec. 5, 1913.

998. Chilean torpedo-boat destroyer "Almirante Lynch." (Engineering. London, 1913. v. 96, p. 352-353, 358, 392, 394.) **VDA**

Also supplement, Sept. 12, 1913.

999. Chinese training cruiser "Chao Ho." illus. (Engineering. London, 1913. v. 95, p. 424-426.) **VDA**

1000. The Clyde line coastwise steamship Lenape. illus. (International marine engineering. New York, 1913. v. 18, p. 139-144.) **†VXA**

Iron and Steel Ships, continued.
1913, continued.

1001. **Coleman, F. C.** Five-masted auxiliary sailing ship France. illus. (International marine engineering. New York, 1913. v. 18, p. 505-510.) † VXA
1002. — Oil tanker San Fraterno. illus. (Marine review. New York, 1913. v. 43, p. 191-194.) † VXA
1003. **Cook, G. C.** The evolution of the lightship. 12 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1913. v. 21, p. 97-118.) VXA
- 1003a. — — (New York, 1913.) 98-118 p., 10 diagrs., 2 pl. 4°. VXF
1004. **Les Croiseurs-torpilleurs "Catamarca" et "Jujuy."** (France. — Ministère de la Marine. Revue maritime. Paris, 1913. tome 198, p. 122-135.) VXA
1005. **Cunard Canadian liner "Andania."** illus. (Engineering. London, 1913. v. 96, p. 233.) VDA
1006. **Dal-Piaz.** Le paquebot transatlantique moderne. illus. (Société industrielle du nord de la France. Bulletin mensuel. Lille, 1913. année 41, p. 66-91.) VA
1007. **Deutscher Schiffbau, 1913...** Berlin: Verlag Carl Marfels, 1913. 344 p. illus. 4°. VXH
1008. **Diesel oil tank ship Hagen.** illus. (Engineer. London, 1913. v. 115, p. 304-305.) VA
1009. **Donnelly, W. T.** An electrically propelled fire-proof passenger steamer. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1913. v. 20, p. 169-200.) VXA
1010. **Elbe estuary motor lightship.** illus. (Marine engineer and naval architect. London, 1913. v. 36, p. 6-9.) VXA
1011. **Fletcher, R. A.** Travelling palaces; luxury in passenger steamships. London: Sir I. Pitman and Sons [1913]. xvi, 310 p., 2 plans, 52 pl. 8°. VXHD
1012. **French Atlantic liner Lutetia.** illus. (Engineer. London, 1913. v. 115, p. 496, 506.) VA
1013. **French battleships Provence and Bretagne.** (Engineer. London, 1913. v. 115, p. 558.) VA
1014. **French destroyer Commandant Rivière.** illus. (Engineer. London, 1913. v. 116, p. 178-179.) VA
1015. **French destroyer Magon.** illus. (Engineer. London, 1913. v. 115, p. 658, 663-664.) VA
1016. **French destroyers Fourche and Faulx.** illus. (Engineer. London, 1913. v. 115, p. 144-146, 148.) VA
1017. **French dreadnought Jean Bart.** illus. (Engineer. London, 1913. v. 115, p. 676-677.) VA
1018. **French dreadnoughts Paris and France.** illus. (Engineer. London, 1913. v. 115, p. 31-32.) VA
1019. **French mine layers Cerbère and Pluton.** (Engineer. London, 1913. v. 116, p. 515, 516.) VA
1020. **A Geared turbine cargo steamer.** illus. (Engineer. London, 1913. v. 115, p. 243-245.) VA
1021. **German battleships of the Kaiser class.** illus. (Engineer. London, 1913. v. 115, p. 410-411.) VA
1022. **The Giant Emperor.** illus. (Marine review. New York, 1913. v. 43, p. 268-271.) † VXA
1023. **Great Lakes steamers for coastwise service.** illus. (International marine engineering. New York, 1913. v. 18, p. 47-52.) † VXA
1024. **Greek torpedo-boat destroyers of the "Lion" class.** illus. (Engineer. London, 1913. v. 116, p. 59-60.) VA
 Also supplement, July 18, 1913.
1025. **Gregory, H. B.** U. S. fleet colliers Proteus and Nereus. illus. (American Society of Naval Engineers. Journal. Washington, 1913. v. 25, p. 613-636.) VXA
1026. **H. M. battleship Iron Duke.** illus. (Engineer. London, 1913. v. 116, p. 550.) VA
1027. **H. M. dreadnought Queen Elizabeth.** illus. (Engineer. London, 1913. v. 116, p. 450.) VA
1028. **H. M. S. Benbow.** illus. (Engineering. London, 1913. v. 96, p. 660-661.) VDA
1029. **H. M. torpedo-boat destroyers "Shark," "Sparrowhawk" and "Spitfire."** illus. (Engineering. London, 1913. v. 95, p. 775-776, 778.) VDA
1030. **Hamburg-Amerika liner Imperator.** (Engineer. London, 1913. v. 115, p. 649-650.) VA
1031. **Hamburg-Amerika liner "Imperator."** illus. (Engineering. London, 1913. v. 95, p. 827-831.) VDA
 Also supplement, June 20, 1913.
1032. **Hudson river steamer Washington Irving.** illus. (International marine engineering. New York, 1913. v. 18, p. 275-278.) † VXA
1033. **Isle of Man geared-turbine steamer "King Orry."** illus. (Engineering. London, 1913. v. 95, p. 871-874, 876.) VDA
 Also supplement, June 27, 1913.

*Iron and Steel Ships, continued.**1913, continued.*

1034. Japanese battle-cruiser "Kongo." illus. (Engineering. London, 1913. v. 95, p. 709-711.) VDA

1035. The Japanese battle-cruiser "Kongo." illus. (Scientific American. New York, 1913. v. 109, p. 128-129.) VA

1036. King, J. F. On large deck houses. (Institution of Naval Architects. Transactions. London, 1913. v. 55, part 1, p. 148-161.) VXA

1037. ——— (Engineering. London, 1913. v. 95, p. 437-438.) VDA

1038. Launch of the Andrea Doria. illus. (Engineer. London, 1913. v. 115, p. 383-384.) VA

1039. Launch of the Aquitania. illus. (Engineer. London, 1913. v. 115, p. 446-447.) VA

1040. Launch of the latest giant steamship. illus. (Scientific American supplement. New York, 1913. v. 75, p. 232-233.) VA

1041. Lengthening the Aberdeen liners Marathon and Miltiades. illus. (Engineer. London, 1913. v. 115, p. 72-73.) VA

1042. Lienau, Otto. Materialspannungen in den Längsverbänden stählerner Handelsschiffe. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1913. 4^o. Bd. 14, p. 603-645.) † VXA

1043. MacIlwaine, G. S. Corrugated ships. illus. (Engineering magazine. New York, 1913. v. 44, p. 938-940.) VDA

1044. Mersey bar lightship Alarm. illus. (Engineer. London, 1913. v. 116, p. 72-74.) VA

1045. Montgomerie, James. The design and construction of oil steamers. (Institution of Engineers and Shipbuilders in Scotland. Transactions. Glasgow, 1913. v. 56, p. 241-291.) VDA

1046. ——— (Engineering. London, 1913. v. 95, p. 306-309, 337-340.) VDA

1047. ——— (Marine review. New York, 1913. v. 43, p. 126-130, 164-170.) † VXA

1048. Das Motor-Tankschiff "Hagen" erbaut von der Fried. Krupp A.-G. Germaniaerft. 6 pl. illus. (Schiffbau. Berlin, 1913. Jahrg. 14, p. 407-413, 466-469.) † VXA

1049. New Cunard liner "Aquitania." (Engineering. London, 1913. v. 95, p. 515-523, 562-564, 570.) VDA

Also supplements, April 18 and April 25, 1913.

1050. New Hamburg-American liner "Imperator." (Marine review. New York, 1913. v. 43, p. 245-248.) † VXA

1051. New Pacific coastwise steamship Congress. illus. (International marine engineering. New York, 1913. v. 18, p. 283-286.) † VXA

1052. New Spanish battleships. illus. (Engineering. London, 1913. v. 96, p. 175-178, 192.) VDA

Also supplement, Aug. 8, 1913.

1053. Old Dominion line's freight steamer Tyler. illus. (International marine engineering. New York, 1913. v. 18, p. 369-374.) † VXA

1054. Ore-carrying steamer Norrbotten. illus. (Engineer. London, 1913. v. 115, p. 368.) VA

1055. Quadruple-screw steamers "Oosterdyk" and "Westerdyk." illus. (Engineering. London, 1913. v. 96, p. 286-287.) VDA

Also supplement, Aug. 29, 1913.

1056. Quadruple-screw turbine Allan liner "Alsatian." illus. (Engineering. London, 1913. v. 95, p. 451-455, 456-457.) VDA

Also supplement, April 4, 1913.

1057. The Quadruple turbine liner "Imperator." illus. (Marine engineer and naval architect. London, 1913. v. 35, p. 463-469.) VXA

1058. Recent warships for the French Admiralty. illus. (International marine engineering. New York, 1913. v. 18, p. 93-97.) † VXA

1059. Redwood, Sir Boverton. Tank steamers. (In his: Petroleum. London: C. Griffin & Co., 1913. v. 3, p. 140-159.) VHY

1060. Robinson, S. M. Description of the U. S. fleet collier Jupiter. illus. (American Society of Naval Engineers. Journal. Washington, 1913. v. 25, p. 523-562.) VXA

1061. Royal Holland Lloyd steamship Gelria. illus. (Engineer. London, 1913. v. 116, p. 447-448.) VA

1062. Side-wheel passenger steamer See and Bee. illus. (International marine engineering. New York, 1913. v. 18, p. 252-258.) † VXA

1063. Side-wheeler Washington Irving. illus. (Marine review. New York, 1913. v. 43, p. 221-223.) † VXA

1064. Single screw molasses tank steamer Amolco. illus. (International marine engineering. New York, 1913. v. 18, p. 378-382.) † VXA

Iron and Steel Ships, continued.

1913, continued.

1065. **Smith, S. F.** Change of shape of recent colliers. 6 pl. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1913. v. 21, p. 145-153.) **VXA**

1066. **Some modern systems of ship construction.** illus. (Marine engineer and naval architect. London, 1913. v. 35, p. 197-203.) **VXA**

1067. **Spanish quadruple-screw liner "Reina Victoria-Eugenia."** illus. (Engineering. London, 1913. v. 95, p. 322-324, 326, 386-387.) **VDA**

Also supplements, March 7 and March 21, 1913.

1068. **Spanish trans-Atlantic liner "Infanta Isabel de Borbon."** illus. (Engineering. London, 1913. v. 95, p. 599-602, 604.) **VDA**

Also supplement, May 2, 1913.

1069. **Talbot, Frederick Arthur Ambrose.** Lightships and lighthouses. London: W. Heinemann, 1913. xii, 325 p., 50 pl. 8°. (Conquests of science.) **VDO**

1070. **Das Tankschiff "Hagen."** illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1913. Bd. 57, p. 521-527.) **VDA**

1071. **Trials of the France.** illus. (Engineer. London, 1913. v. 116, p. 669-672.) **VA**

1072. **Der Turbinenschneiddampfer "Imperator."** illus. (Schiffbau. Berlin, 1913. Jahrg. 14, p. 759-765.) **†VXA**

1073. — 7 pl. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1913. Bd. 57, p. 966-967.) **VDA**

1074. **Typical ships.** illus. (Engineer. London, 1913. v. 115, p. 84-85, 115-116; v. 116, p. 390-393, 486-488, 494; v. 117, p. 366-370, 376; v. 118, p. 229-232, 359-362, 573-575, 584.) **VA**

1075. **Walker, J. B.** Atlantic steamships — a retrospect. illus. (Scientific American. New York, 1913. v. 109, p. 472-473, 481.) **VA**

1076. **Wilson, R. C.** Construction and operation of western river steamers. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1913. v. 21, p. 59-65.) **VXA**

1914

1077. **Battles, D. R.** U. S. submarine tender "Fulton." (American Society of Marine Draftsmen. Journal. Washington, 1914. v. 1, p. 99-101.) **†VXA**

• 1078. **Biles, Sir John Harvard.** On the protection of battleships against submarine attack. (Engineering. London, 1914. v. 98, p. 65-67.) **VDA**

1079. **The Britannic waterborne.** illus. (Marine review. New York, 1914. v. 44, p. 135-139.) **†VXA**

1080. **Bureau Veritas.** Règlement pour la construction et la classification des navires en acier. Année 1914. Paris [1914]. xxi, 317 p. 4°. **VXH**

1081. — Rules and regulations for the building and classification of steel vessels. Year 1914. Paris [1914]. xxi, 292 p., 11. 4°. **VXH**

1082. **Burgoyne, Alan Hughes.** Die neueste Entwicklung des Schlachtschiffstyps. (Austria. — Marine-Technische Komitee. Mitteilungen aus dem Gebiete des Seewesens. Pola, 1914. Jahrg. 41, p. 818-830.) **VXA**

1083. **Canadian customs cruiser.** illus. (Engineering. London, 1914. v. 98, p. 245-247, 302-303.) **VDA**

Also supplements, Aug. 21 and Sept. 4, 1914.

1084. **Coal-handling plant on the United States fleet collier "Jupiter."** illus. (Engineering. London, 1914. v. 98, p. 503-506, 508.) **VDA**

Also supplement, Oct. 23, 1914.

1085. **Cunard Canadian liner "Andania."** illus. (Engineering. London, 1914. v. 96, p. 233.) **VDA**

1086. **The Cunard Company's liner "Aquitania."** illus. (Marine engineer and naval architect. London, 1914. v. 36, p. 462-474; v. 37, p. 11-18.) **VXA**

1087. **Cunard liner Aquitania.** illus. (Engineer. London, 1914. v. 117, p. 587-590, 622.) **VA**

1088. **Cunard liner Aquitania.** illus. (Marine review. New York, 1914. v. 44, p. 247-258.) **†VXA**

1089. **Dickie, G. W.** The unsinkable ship. (Engineering magazine. New York, 1914. v. 47, p. 107-110.) **VDA**

1090. **Fea, Leonardo.** El buque de combate. (Revista general de marina. Madrid, 1914. tomo 75, p. 651-691.) **VXA**

1091. **Fowler, Charles Evans.** Practical treatise on subaqueous foundations... New York: John Wiley & Sons, 1914. xliii, 814 p. 3. ed. 8°. **VEF**

Contains chapters on sea-going dredges.

1092. **French destroyers Bisson and Renaudin.** illus. (Engineer. London, 1914. v. 117, p. 615-616.) **VA**

Iron and Steel Ships, continued.
1914, continued.

1093. French quadruple-screw liner "Lutetia." illus. (Engineering. London, 1914. v. 98, p. 418, 426-427, 470-471.) VDA

Also supplements, Oct. 2 and Oct. 16, 1914.

1094. A Geared turbine Atlantic liner. illus. (Engineer. London, 1914. v. 118, p. 433, 435.) VA

1095. Geynet, G. O destroyer. (Revista maritima brasileira. Rio de Janeiro, 1914. v. 64, p. 1769-1902.) VXA

1096. Gracy, J. W. The new Mersey bar lightship. illus. (Liverpool Engineering Society. Transactions. Liverpool, 1914. v. 35, p. 231-264.) VDA

1097. "Great Northern" and "Northern Pacific." illus. (Pacific marine review. San Francisco, 1914. v. 11, no. 8, p. 22-25.) † TRA

1098. Hamburg-America liner Vaterland. illus. (Engineer. London, 1914. v. 117, p. 572-573.) VA

1099. Hamburg-Amerika liner "Imperator." illus. (Engineering. London, 1914. v. 97, p. 797-802, 812.) VDA

1100. Hamburg-Amerika liner "Vaterland." illus. (Engineering. London, 1914. v. 97, p. 712-713.) VDA

1101. Kluge, C. Die neue amerikanische Dampfschiffahrt "Cyprus." illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1914. Bd. 58, p. 746-750.) VDA

1102. Kondo, Motoki. Recent Japanese warships. illus. (Engineering. London, 1914. v. 97, p. 430-433.) VDA

1103. Largest oil tankers in the United States. illus. (International marine engineering. New York, 1914. v. 19, p. 181-184.) † VXA

1104. The Latest United States battleship (Texas). illus. (International marine engineering. New York, 1914. v. 19, p. 1-4.) † VXA

1105. Lloyd's Register of Shipping. Rules & regulations for the construction and classification of steel vessels. From 1st July, 1914, to the 30th June, 1915. London, 1914. xxx, 258 p. 4°. VXA

1106. Modern German warship design. (Engineer. London, 1914. v. 117, p. 227-228.) VA

Also supplement, February 27, 1914.

1107. Morrell, Robert W. Tank ship construction. illus. (International marine engineering. New York, 1914. v. 19, p. 532-534; v. 20, p. 26-29, 71-73.) † VXA

1108. The New Cunard express liner "Aquitania." illus. (American marine engineer. New York, 1914. v. 9, no. 7, p. 7-11.) † VXA

1109. The New Cunard express liner Aquitania. illus. (International marine engineering. New York, 1914. v. 19, p. 277-283.) † VXA

1110. New Cunard liner "Aquitania." illus. (Engineering. London, 1914. v. 97, p. 619-624, 655-659, 672, 676-679, 693-701, 727-743.) VDA

Also supplement, May 22, 1914.

1111. The New Cunarder "Aquitania." illus. (Scientific American. New York, 1914. v. 110, p. 461-462.) VA

1112. New freighters for the Panama canal trade. illus. (International marine engineering. New York, 1914. v. 19, p. 368-373.) † VXA

1113. New Great Lakes steamship South American. (International marine engineering. New York, 1914. v. 19, p. 135-140.) † VXA

1114. New Mallory line freight ships. illus. (International marine engineering. New York, 1914. v. 19, p. 378-384.) † VXA

1115. New type of self-trimming collier. illus. (Engineer. London, 1914. v. 117, p. 626-627.) VA

1116. New vessels for the Allan line. illus. (Pacific marine review. San Francisco, 1914. v. 11, no. 5, p. 18-24.) † TRA

1117. The New White Star liner Britannic. (Nautical magazine. Glasgow, 1914. v. 91, p. 374-378.) VXA

1118. Oil carrier Sebastian. illus. (Marine review. New York, 1914. v. 44, p. 259-264.) † VXA

1119. Oil carrying steamers. illus. (Engineering. London, 1914. v. 98, p. 181-184.) VDA

1120. Oil tank steamer Frank H. Buck. illus. (International marine engineering. New York, 1914. v. 19, p. 202-205.) † VXA

1121. Owens, T. G. Linienschiffskonstruktionen. (Germany. — Marine Amt. Marine Rundschau. Berlin, 1914. Jahrg. 25, p. 779-789.) VXA

1122. — Some questions relating to battleship design. (Institution of Naval Architects. Transactions. London, 1914. v. 56, p. 1-32.) VXA

1123. — — (Engineer. London, 1914. v. 117, p. 384-386, 410-412.) VA

1124. — — (Engineering. London, 1914. v. 97, p. 446-452.) VDA

Iron and Steel Ships, continued.

1914, continued.

1125. Parkes, Oscar. The super-dreadnought "Queen Elizabeth." illus. (Scientific American. New York, 1914. v. 110, p. 502-503.) VA

1126. Pereira, E. R. Evolução do navio dreadnought. (Revista marítima brasileira. Rio de Janeiro, 1914. v. 65, p. 51-88, 211-234, 419-470.) VXA

1127. Perrett, J. R. Some notes on warships designed and constructed by Sir W. G. Armstrong, Whitworth & Co., Ltd. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. Newcastle-upon-Tyne, 1914. v. 30, p. 377-411.) VXA

1128. Peskett, L. Design of Atlantic liners. (Engineering. London, 1914. v. 97, p. 537-541.) VDA

1129. Plummer, H. C. The car ferry in freight and passenger service. illus. (Scientific American supplement. New York, 1914. v. 77, p. 88-90.) VA

1130. Quadruple-screw turbine-driven Cunard liner "Aquitania"... London: Engineering, 1914. viii, 80 p., 3 pl. 4°. †† VVXD

Reprinted from *Engineering*.

1131. S. S. Cap Trafalgar. illus. (Engineer. London, 1914. v. 117, p. 312-314.) VA

1132. S. S. Great Northern and Northern Pacific. illus. (International marine engineering. New York, 1914. v. 19, p. 535-545.) † VXA

1133. Shipbuilding and shipping record. [Articles and illustrations taken from the Shipbuilding and shipping record, 1913-14.] London, 1913-14. f°. Desk - Tech. Div.

1134. Smith, S. F. Change of shape of recent colliers. (International marine engineering. New York, 1914. v. 19, p. 53-55.) † VXA

1135. Steamship Vaterland. illus. (Marine review. New York, 1914. v. 44, p. 220-222.) † VXA

1136. T.-S. SS. "Ciudad de Buenos Aires" and "Ciudad de Monte Video." illus. (Engineering. London, 1914. v. 98, p. 745-747.) VDA

Also supplement, Dec. 5, 1914.

1137. Thele, W. Das hamburgische Baggerwesen. illus. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1914. Bd. 15, p. 286-393.) † VXA

1138. Torpedo-boat for the Spanish navy. illus. (Engineering. London, 1914. v. 97, p. 590-593.) VDA

1139. The Unsinkable ship. illus. (Scientific American. New York, 1914. v. 110, p. 86, 91.) VA

1140. Wachtel, L. Der Vierschrauben-Turbinen-Schnelldampfer "Imperator." 13 pl. illus. (Verein deutscher Ingenieure. Zeitschrift. Berlin, 1914. Bd. 58, p. 993-1005, 1041-1048.) VDA

1141. The White Star liner "Britannic." illus. (American marine engineer. New York, 1914. v. 9, no. 5, p. 7-11.) † VXA

1142. White Star liner Britannic. illus. (Engineer. London, 1914. v. 117, p. 238, 240-241, 257-259.) VA

1143. White Star liner "Britannic." illus. (Engineering. London, 1914. v. 97, p. 273-283.) VDA

Also supplement, Feb. 27, 1914.

1144. The White Star triple-screw steamer "Britannic." illus. (Marine engineer and naval architect. London, 1914. v. 36, p. 301-304.) VXA

1145. The World's largest steamship [Vaterland]. illus. (Scientific American. New York, 1914. v. 110, p. 427-428.) VA

1915

1146. Bahon, Max. Tendencias actuales de la construcción naval. (Centro naval, Buenos Aires. Boletín. Buenos Aires, 1915. tomo 31, p. 403-444.) VXA

1147. Barber, G. H. Launching of the battleship Arizona. illus. (International marine engineering. New York, 1915. v. 20, p. 334-336.) † VXA

1148. Barnett, M. K. The new French battleship "Tourville." illus. (Scientific American. New York, 1915. v. 113, p. 45.) VA

1149. Barringer, Herbert. Evolution of the oil tankship. (Institution of Petroleum Technologists. Journal. London, 1915. v. 1, p. 280-324.) VHY

1150. — — (Petroleum world. London, 1915. v. 12, p. 301-305.) † VHY

1151. — — (Petroleum review. London, 1915. v. 32, p. 465-466, 495-496, 509, 526.) † VHY

1152. Brown, William. Introduction of a modern method in shipbuilding. (International marine engineering. New York, 1915. v. 20, p. 163-165.) VXA

1153. Canadian railway ferry-steamer "Scotia II." illus. (Engineering. London, 1915. v. 100, p. 438-440, 446, 512-513.) VDA

1154. Coaling United States warships. illus. (Scientific American supplement. New York, 1915. v. 79, p. 276-277.) VA

*Iron and Steel Ships, continued.**1915, continued.*

1155. Coleman, F. C. Cable-repairing steamer Transmitter. illus. (International marine engineering. New York, 1915. v. 20, p. 382-386.) † VXA
1156. — French-built cable ship Édouard Jéraméc. illus. (International marine engineering. New York, 1915. v. 20, p. 146-150.) † VXA
1157. — New fruit carrying steamer van Hogendorp. illus. (International marine engineering. New York, 1915. v. 20, p. 67-71.) † VXA
1158. Cook, G. C. The United States lightvessels, nos. 101 and 102. 6 pl. (International Engineering Congress, San Francisco, 1915. Transactions. San Francisco, 1915. v. 10, p. 187-195.) VDA
1159. Cunard liner "Lusitania." (Engineering. London, 1915. v. 99, p. 537-538.) VDA
1160. Cylindrical tank oil-carrying steamer "Ricardo A. Mestres." illus. (Engineering. London, 1915. v. 99, p. 428-429.) VDA
1161. Dobson, W. A. Evolution of the battleship of the Dreadnaught type. (American Society of Marine Draftsmen. Journal. Washington, 1915. v. 1, p. 111-116.) † VXA
1162. Hovgaard, William. Structural design of warships. London: E. & F. N. Spon, 1915. xi, 383 p. illus. 8°. VXR
1163. Knorr, Paul. Fischdampfer und Hochseefischerei. illus. (Schiffbautechnische Gesellschaft. Jahrbuch. Berlin, 1915. Bd. 16, p. 233-402.) † VXA
1164. Lake passenger steamer Noronic. illus. (International marine engineering. New York, 1915. v. 20, p. 431-435.) † VXA
1165. Montgomerie, James. Light superstructures. (Marine review. New York, 1915. v. 45, p. 209-215.) † VXA
1166. — The scantlings of light superstructures. (Institution of Naval Architects. Transactions. London, 1915. v. 57, p. 52-69.) VXA
1167. — (Engineering. London, 1915. v. 99, p. 376-380.) VDA
1168. Muers, P. Oil ships with cylindrical tanks. illus. (Petroleum world. London, 1915. v. 12, p. 248-252.) † VHY
1169. Olin, E. W. Side wheel car ferry Contra Costa. illus. (International marine engineering. New York, 1915. v. 20, p. 387-394.) † VXA
1170. — Southern Pacific ferry steamer Alameda. illus. (International marine engineering. New York, 1915. v. 20, p. 194-198.) † VXA
1171. Owens, T. G. Algumas questões com referencia ao desenho do navio encouraçado. 18 pl. (Revista marítima brasileira. Rio de Janeiro, 1915. v. 66, p. 1279-1317.) VXA
1172. Panama colliers "Ulysses" and "Achilles." (Shipbuilding and shipping record. London, 1915. v. 6, p. 271-274.) VXA
1173. "Peking Maru." (Shipbuilding and shipping record. London, 1915. v. 6, p. 48-50.) VXA
1174. Portuguese torpedo-boat destroyer Douro. illus. (Engineer. London, 1915. v. 119, p. 404, 406.) VA
1175. Reid, John. The influence of discharging appliances on the design of large ore carriers. (Institution of Naval Architects. Transactions. London, 1915. v. 57, p. 41-51.) VXA
1176. — (Engineering. London, 1915. v. 99, p. 349-351, 354.) VA
1177. — Large ore carriers. (Marine review. New York, 1915. v. 45, p. 197-201.) † VXA
1178. Ruprecht, F. K. Notes on the conversion of cargo vessels into bulk oil carriers. (International marine engineering. New York, 1915. v. 20, p. 165-166, 212-216, 258-259, 309-311, 340-343, 404-406.) † VXA
1179. S. S. "Roggeveen." illus. (Shipbuilding and shipping record. London, 1915. v. 6, p. 464-466.) VXA
1180. Self-unloading freight steamer Huron. illus. (International marine engineering. New York, 1915. v. 20, p. 52-58.) † VXA
1181. U. S. destroyer tender "Melville." illus. (Shipbuilding and shipping record. London, 1915. v. 6, p. 70-71.) VXA
1182. Western Australian government motor-ship "Kangaroo." illus. (Engineering. London, 1915. v. 100, p. 468-470, 565-568.) VDA
1183. Willey, D. A. Freight carrying on the Great Lakes. illus. (Scientific American supplement. New York, 1915. v. 79, p. 360-361.) VA
1184. Wilson, W. J. B. The remarkable failure of a consignment of steel ship plates. illus. (North-East Coast Institution of Engineers and Shipbuilders. Transactions. Newcastle-upon-Tyne, 1915. v. 31, p. 227-293.) VXA

Iron and Steel Ships, continued.

1916

1185. **Brazilian submarine depot motor-ship "Ceara."** illus. (Engineering. London, 1916. v. 101, p. 569, 613-616.) **VDA**

Also supplement, June 16, 1916.

1186. **Clyde line steamers built on the Lakes.** Description of Welland canal size ocean-going freighters. illus. (International marine engineering. New York, 1916. v. 21, p. 321-328.) **†VXA**

1187. **Cone, E. F.** Steel castings for American merchant and war vessels. illus. (International marine engineering. New York, 1916. v. 21, p. 336-338.) **†VXA**

1188. **Cook, G. C.** The United States light-vessels, nos. 101 and 102. illus. (International Engineering Congress, San Francisco, 1915. Transactions. San Francisco, 1916. v. 10, p. 187-195.) **VDA**

1189. **Dickie, G. W.** Special types of cargo steamers for the United States coast-to-coast trade through the Panama canal. (International Engineering Congress, San Francisco, 1915. Transactions. San Francisco [1916], v. 10, p. 147-159.) **VDA**

1190. The **"Duilio."** illus. (Scientific American supplement. New York, 1916. v. 82, p. 24-25.) **VA**

1191. **Ferretti, E.** Warships of the first line of battle. (International Engineering Congress, San Francisco, 1915. Transactions. San Francisco, 1916. v. 10, p. 196-223.) **VDA**

1192. **Fletcher, Andrew.** River, lake, bay and sound steamers of the United States. illus. (International Engineering Congress, San Francisco, 1915. Transactions. San Francisco, 1916. v. 10, p. 124-146.) **VDA**

1193. **French transatlantic quadruple screw steamship "Lafayette."** illus. (Engineering. London, 1916. v. 101, p. 470.) **VDA**

1194. **Frozen beef for Europe.** S. S. Procida fitted with carbonic acid refrigerating plant. illus. (International marine engineering. New York, 1916. v. 21, p. 273-282.) **†VXA**

1195. **Fruit-carrying steamer "Honduras."** (Shipbuilding and shipping record. London, 1916. v. 7, p. 246-247.) **VXA**

1196. **Gatewood, R. D.** Military and technical considerations of battleship design. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1916. v. 24, p. 91-107.) **VXA**

1197. — **Proyectos de acorazados.** (Revista general de marina. Madrid, 1917. tomo 80, p. 169-186.) **VXA**

1198. **German battleship Grosser Kur-fuerst.** (Engineer. London, 1916. v. 119, p. 391.) **VA**

Also supplement, May 12, 1916.

1199. The **Hannewig** oil tankers. illus. (Pacific marine review. San Francisco, 1916. v. 13, no. 3, p. 53-55.) **†TRA**

1200. **Hoar, Allen.** Pacific mail steamship "Ecuador." illus. (Pacific marine review. San Francisco, 1916. v. 13, no. 10, p. 27-31.) **†TRA**

1201. **Holms, Archibald Campbell.** Practical shipbuilding, a treatise on the structural design and building of modern steel vessels; the work of construction, from the making of the raw material to the equipped vessel, including subsequent upkeep and repairs... London: Longmans, Green, and Co., 1916. 2 v. 3. ed. v. 1, 4°; v. 2, f°. **†VXH**

v. 1: Text. v. 2: Diagrams and illustrations.

1202. **Italian cargo steamer Milazzo.** illus. (Scientific American. New York, 1916. v. 115, p. 123.) **VA**

1203. **Liddell, A. R.** Yield of riveted connections in shipbuilding. (Engineer. London, 1916. v. 122, p. 29-30.) **VA**

1204. **New collier built by the Dublin Dockyard Company.** (Shipbuilding and shipping record. London, 1916. v. 7, p. 377-380.) **VXA**

1205. The **New Matson** steamer. illus. (Pacific marine review. San Francisco, 1916. v. 13, p. 40-42.) **†TRA**

1206. The **Panama** colliers Ulysses and Achilles. illus. (International marine engineering. New York, 1916. v. 21, p. 283-288.) **†VXA**

1207. **Pereira, E. R.** Evolução do destroyer. 2 pl. (Revista maritima brasileira. Rio de Janeiro, 1916. v. 68, p. 47-82.) **VXA**

1208. **Rigg, E. H.** Ocean freighters. (International Engineering Congress, San Francisco, 1915. Transactions. San Francisco [1916], v. 10, p. 68-88.) **VDA**

1209. **SS. "Jupiter."** illus. (Shipbuilding and shipping record. London, 1916. v. 7, p. 424-425.) **VXA**

1210. **Sadler, Herbert Charles.** Bulk freight vessels of the Great Lakes. (International Engineering Congress, San Francisco, 1915. Transactions. San Francisco [1916], v. 10, p. 110-123.) **VDA**

1211. **Spanish torpedo-boat destroyers of the "Bustamante" class.** illus. (Engineering. London, 1916. v. 101, p. 130-132, 158-159.) **VDA**

Also supplements, Feb. 11 and Feb. 18, 1916.

1212. **Standardized construction of ships.** (Marine engineer and naval architect. London, 1916. v. 38, p. 290-292.) **VXA**

Iron and Steel Ships, continued.
1916, continued.

1213. Stevens, E. A. Description and trial of the turbine steam yacht Winchester. illus. (Engineer. London, 1916. v. 122, p. 535-537.) **VA**

1214. Terano, S. Recent developments in Japanese shipbuilding. (International Engineering Congress, San Francisco, 1915. Transactions. San Francisco, 1916. v. 10, p. 89-109.) **VDA**

1215. Twin-screw motor-ship "Peru." illus. (Engineering. London, 1916. v. 102, p. 324-325, 330.) **VDA**

1216. U. S. S. "Nevada." illus. (Shipbuilding and shipping record. London, 1916. v. 7, p. 401-404.) **VXA**

1217. United States battleship Pennsylvania. illus. (Engineer. London, 1916. v. 122, p. 17.) **VA**

1218. Wall, A. T. Some considerations in the design of channel steamers. (Liverpool Engineering Society. Transactions. Liverpool, 1916. v. 36, p. 125-158.) **VDA**

1917

1219. American Bureau of Shipping. Rules for the classification and construction of steel ships. New York [1917]. xviii, 177, 145 p. 4°. **VXA**

1220. American standard single-screw steel steam-ships. illus. (Engineering. London, 1917. v. 104, p. 250-251.) **VDA**

1221. Attwood, Edward Lewis. Warships. A text-book on the construction, protection, stability, turning, etc., of war vessels. London: Longmans, Green & Co., 1917. 338 p. illus. 6. ed. 8°. **VXR**

1222. Buques especiales afectos á los sumergibles. illus. (Revista general de marina. Madrid, 1917. tomo 81, p. 577-613.) **VXA**

1223. Carter, Sir George. Standard cargo ships. (International marine engineering. New York, 1918. v. 23, p. 407-412.) **† VXA**

1224. Casting ships of steel. (Iron age. New York, 1917. v. 99, p. 1440.) **VDA**

1225. Cunard liner "Aurania." (Engineering. London, 1917. v. 103, p. 609-611.) **VDA**

Also supplement, June 29, 1917.

1226. Design standard steel cargo vessels for the Shipping Board. illus. (Marine journal. New York, 1917. v. 36, Sept. 1, 1917, p. 8.) **† VXA**

1227. Fabricated ships. illus. (Shipping. New York, 1917. v. 1, p. 582-583, 596-597.) **† TRA**

1228. Freight steamer Edward Luckenbach. illus. (International marine engineering. New York, 1917. v. 22, p. 7-14.) **† VXA**

1229. Gatewood, R. D. Military and technical considerations of battleship design. (International marine engineering. New York, 1917. v. 22, p. 16-19.) **† VXA**

1230. Hill, M. F. Cast steel ships. (International marine engineering. New York, 1917. v. 22, p. 435-436.) **† VXA**

1231. Holms, Archibald Campbell. Practical shipbuilding; a treatise on the structural design and building of modern steel vessels; the work of construction, from the making of the raw material to the equipped vessel, including subsequent upkeep and repairs... London: Longmans, Green & Co., 1917. 2 v. v. 1, 4°; v. 2, f°. **† VXH**
 v. 1, Text. v. 2, Diagrams and illustrations.

1232. Lang, W. V. Standard parts for standard ships. (Shipbuilding and shipping record. London, 1917. v. 9, p. 180-181.) **† VXA**

1233. Lloyd's Register of Shipping. Rules & regulations for the construction and classification of steel vessels. From 1st July, 1917, to the 30th June, 1918. London, 1917. xxx, 256 p. 4°. **VXA**

1234. Morrell, Robert W. Developments in tanker construction. (Petroleum age. New York, 1917. v. 4, Nov., 1917, p. 31-36.) **† VHY**

1235. — Recent developments in tank steamer construction. (Society of Naval Architects and Marine Engineers. Transactions. New York, 1917. v. 25, p. 73-87.) **VXA**

1236. — — (Engineering. London, 1917. v. 104, p. 687-689.) **VDA**

1237. — — (Shipping. New York, 1917. v. 1, p. 584-586, 600, 605.) **† TRA**

1238. Morrison, J. H. Development of American oil tankers. (International marine engineering. New York, 1917. v. 22, p. 105-107, 157-158.) **† VXA**

1239. New Southern Pacific freighters. illus. (International marine engineering. New York, 1917. v. 22, p. 538-540.) **† VXA**

1240. Putnam, George Rockwell. Light-houses and lightships of the United States... Boston: Houghton Mifflin Co., 1917. xiii, 308 p., 32 pl. 8°. **VXF**

1241. Recent American warships. (Engineer. London, 1917. v. 123, p. 8-9, 41-44, 74-75.) **VA**

1242. Robinson, Richard Hallett Meredith. Fabricated ships. 4 pl. (Society of

Iron and Steel Ships, continued.

1917, continued.

Naval Architects and Marine Engineers. Transactions. New York, 1917. v. 25, p. 137-143.) **VXA**

1243. — (Engineering. London, 1917. v. 104, p. 658-659.) **VDA**

1244. — (International marine engineering. New York, 1917. v. 22, p. 549-550.) **†VXA**

1245. Saunders, A. E. Straight-lined ship model experiments. (International marine engineering. New York, 1917. v. 22, p. 340-343.) **†VXA**

1246. Specifications for U. S. steel ship. (Marine review. Cleveland, 1917. v. 47, p. 349-357, 402-406.) **†VXA**

1247. Standard Oil tanker Benjamin Brewster. illus. (International marine engineering. New York, 1917. v. 22, p. 481-484.) **†VXA**

1248. The Standard ships. illus. (Engineer. London, 1917. v. 124, p. 267, 272-274.) **VA**

1249. Standard single-screw steel steamship for U. S. Shipping Board's emergency fleet. illus. (International marine engineering. New York, 1917. v. 22, p. 354-357.) **†VXA**

1250. Steamship Milazzo. illus. (Engineer. London, 1917. v. 123, p. 194-197.) **VA**

Also supplement, March 2, 1917.

1251. Stirling, Yates. The unarmored battleship. illus. (Scientific American. New York, 1917. v. 116, p. 218, 245.) **VA**

1252. United States. — Shipping Board Emergency Fleet Corporation. Regular construction — steel steamship. Specifications for the construction of a standard single-screw steel steamship... 7,300 tons d. w. capacity; 11½ knots sea speed. June, 1917. [By] Theodore E. Ferris. Washington: Gov. Prtg. Off., 1917. 62 f., 11. 12°. (no. 11.) **VXHD**

1253. — Specifications for the construction of a standard composite single-screw freight steamship. August, 1917. [By] Theodore E. Ferris. Washington: Gov. Prtg. Off., 1917. 84 l. 12°. (no. 21.) **VXHD**

1254. — Specifications for the construction of a standard steel cargo steamer (fabricated construction), 7,500 tons d. w. capacity. September, 1917... Washington: Gov. Prtg. Off., 1917. 86 l. 12°. (no. 22.) **VXHD**

1255. — Specifications for single-screw steel harbor tugboat. November 16, 1917. Washington: Gov. Prtg. Off., 1917. 30 l. 12°. (no. 25.) **VXHD**

1256. — Specifications for single-screw steel seagoing tugboat. November 16, 1917. Washington: Gov. Prtg. Off., 1917. 36 l. 12°. (no. 24.) **VXHD**

1918

1257. Abell, Westcott Stile. The merchant ship of the future. (Engineering. London, 1918. v. 105, p. 352-354.) **VDA**

1258. — (Scientific American supplement. New York, 1918. v. 85, p. 302-304.) **VA**

1259. American Standard Oil tanker "Benjamin Brewster." illus. (Shipbuilding and shipping record. London, 1918. v. 12, p. 58-59.) **†VXA**

1260. The Application of electric welding to ship construction and repair. (Electrician. London, 1918. v. 81, p. 379.) **†VGA**

1261. Application of electric welding to shipbuilding. New regulations adopted by Lloyd's Register. (Shipbuilding and shipping record. London, 1918. v. 12, p. 186-188.) **VXA**

1262. Building merchant ships. illus. (Nautical gazette. New York, 1918. v. 93, no. 6, p. 5.) **†VXA**

1263. Burtner, Evers. Oil- and watertight joints in ships' hulls. (International marine engineering. New York, 1918. v. 23, p. 404-406.) **†VXA**

1264. Carmichael, Andrew Williams. Shipbuilding for beginners. Washington: Emergency Fleet Corporation, 1918. 25 p. illus. 8°. **VXHD**

1265. Carter, Sir George. Standard cargo ships. illus. (Engineer. London, 1918. v. 125, p. 257-259.) **VA**

1266. — (Engineering. London, 1918. v. 105, p. 307-310, 319-322.) **VDA**

1267. — (Nautical gazette. New York, 1918. v. 93, April 18, 1918, p. 4-6.) **†VXA**

1268. — (Shipbuilding and shipping record. London, 1918. v. 11, p. 339-342.) **†VXA**

1269. — Standardized cargo ship building. illus. (Shipping. New York, 1918. v. 3, no. 7, p. 11-14; no. 9, p. 11-13.) **VXA**

1270. Collins, James H. Electric welding in shipbuilding. (Electrical engineering. New York, 1918. v. 51, May, 1918, p. 43-44.) **†VGA**

1270a. Cook, Clarence Westgate. Steel shipbuilder's handbook; an encyclopedia of the names of parts, tools, operations, trades, abbreviations, etc., used in the building of steel ships. New York: Long-

Iron and Steel Ships, continued.
1918, continued.

- mans, Green and Co., 1918. iv, 123 p., 4 folded diagrs. 12°. **VXHN**
1271. Crawford, Walter Kay. The shipbuilder's blue book. New York: Ocean Pub. Co., 1918. 79 p. 12°. **VXH**
1272. Design steel ship for maximum efficiency of bridge shop fabrication. illus. (Engineering news-record. New York, 1918. v. 81, p. 5-12.) **VDA**
1273. Electric welding as applied to steel ship construction. (Engineering and contracting. Chicago, 1918. v. 50, p. 308-309.) **VDA**
1274. Electric welding as applied to steel ship construction. (Engineers' Club of Philadelphia. Journal. Philadelphia, 1918. v. 35, p. 427-439.) **VDA**
1275. Electric welding in the building of ships. (Electrical world. New York, 1918. v. 71, p. 683.) **† VGA**
1276. Electrically welded barge. illus. (Engineer. London, 1918. v. 126, p. 122-123.) **VA**
1277. An Electrically welded barge. illus. (Engineering. London, 1918. v. 106, p. 142.) **VDA**
1278. Electrically welded cargo ships. (Engineers' Club of St. Louis. Journal. St. Louis, 1918. v. 3, p. 203-210.) **VDA**
1279. An Electrically welded ship. illus. (Nautical gazette. New York, 1918. v. 94, p. 114.) **† VXA**
1280. Electrically welded ships. (Electrician. London, 1918. v. 81, p. 319-320.) **VGA**
1281. Eley, Charles V. A. Unsinkable ships. (Scientific American supplement. New York, 1918. v. 85, p. 238-239, 250-251.) **VA**
1282. First electrically welded ship launched. illus. (Electrical news. Toronto, 1918. v. 27, no. 19, p. 30-31.) **VGA**
1283. Five thousand-ton deadweight fabricated steel cargo steamer for emergency fleet. illus. (International marine engineering. New York, 1918. v. 23, p. 194-198.) **† VXA**
1284. French, F. J. Notes on shipbuilding. illus. (American Society of Mechanical Engineers. Journal. New York, 1918. v. 40, p. 289-292.) **VDA**
1285. — Notes on steel shipbuilding. (Engineering and contracting. Chicago, 1918. v. 49, p. 509-511.) **VDA**
1286. The French design an unsinkable ship. illus. (Scientific American. New York, 1918. v. 119, p. 32.) **VA**
1287. Hill, M. F. Cast steel ship construction. illus. (Nautical gazette. New York, 1918. v. 93, no. 6, p. 10.) **† VXA**
1288. Hill, R. C. New type of cargo carrier wins favor on Pacific. illus. (Marine review. New York, 1918. v. 48, p. 193-196.) **VXA**
1289. Hornor, H. A. Evolution of electric welding processes as applied in shipbuilding. (Engineers' Club of St. Louis. Journal. St. Louis, 1918. v. 3, p. 256-263.) **VDA**
1290. "I am 29 days old — Look me over." illus. (Iron trade review. Cleveland, 1918. v. 63, p. 668-672.) **† VHA**
1291. "Laying down" a ship. illus. (Scientific American supplement. New York, 1918. v. 86, p. 164-165.) **VA**
1292. Lloyd's rules for welded ships. (Shipbuilding and shipping record. London, 1918. v. 12, p. 180.) **VXA**
1293. Lundberg, Charles. Manufacturing eagles at Ford shipyard. illus. (Iron age. New York, 1918. v. 102, p. 679-684.) **VDA**
1294. Making the ship unsinkable. illus. (Compressed air magazine. New York, 1918. v. 23, p. 8711-8713.) **VFM**
1295. Millar system of longitudinal and transverse ship framing. illus. (Engineering. London, 1918. v. 105, p. 512.) **VDA**
- 1295a. Monetti, Luigi. La struttura longitudinale "Isherwood" nei piccoli scafi. (Rivista marittima. Roma, 1918. v. 51, semestre 2, p. 262-268.) **VXA**
1296. Morrell, Robert W. Recent developments in tank steamer construction. (Shipbuilding and shipping record. London, 1918. v. 11, p. 117-119.) **† VXA**
1297. — Tank-steamer construction. (American Society of Naval Engineers. Journal. Washington, 1918. v. 30, p. 157-166.) **VXA**
1298. — — (International marine engineering. New York, 1918. v. 23, p. 78-83.) **† VXA**
1299. Oil tanker of 10,000 tons deadweight adopted as standard by Shipping Board. illus. (International marine engineering. New York, 1918. v. 23, p. 107-113.) **† VXA**
1300. Oldham, J. R. Efficient ship riveting. (Nautical gazette. New York, 1918. v. 93, no. 8, p. 5.) **† VXA**
1301. — Wood and steel ships compared. (Nautical gazette. New York, 1918. v. 93, no. 17, p. 6-7.) **† VXA**
- 1301a. Owen, Hugh. Ship economics; practical aids for shipmasters in repair, maintenance, surveys, and construction, in-

Iron and Steel Ships, continued.

1918, continued.

cluding a glossary of technical terms. London: G. Philip & Son, Ltd., 1918. vii, 137 p. illus. 2. ed. 8°. **VXHB**

1302. **Problem of the unsinkable ship.** illus. (Scientific American. New York, 1918. v. 118, p. 215.) **VA**

1303. **Purpose of the test in electric welding for ships.** (Electrical world. New York, 1918. v. 71, p. 993.) **† VGA**

1304. **Ralph's ship fitters' edition for students, beginners and ship workers...** San Francisco: (Progress Printing Co.,) 1918. 1 p.l., 46 p. illus. 16°. **VDH**

1305. **The Rivetless ship—a possibility.** (Marine review. Cleveland, 1918. v. 48, p. 184-185.) **† VXA**

1306. **Robinson, Richard Hallett Meredith.** Fabricated ships. illus. (Nautical gazette. New York, 1918. v. 93, no. 6, p. 8-9.) **† VXA**

1307. **SS. "Edgar F. Luckenbach."** 1 folded plan. illus. (Shipbuilding and shipping record. London, 1918. v. 11, p. 520-523.) **† VXA**

1308. **SS. Victor de Chávarri.** 1 pl. (Shipbuilding and shipping record. London, 1918. v. 12, p. 255-258.) **VXA**

1309. **A Ship built in 27 days (Tuckahoe).** illus. (World's work. New York, 1918. v. 36, p. 329-332.) *** DA**

1310. **A Ship within a ship.** illus. (Scientific American. New York, 1918. v. 118, p. 161.) **VA**

1311. **Standard steel cargo ships for the war zone.** illus. (Scientific American. New York, 1918. v. 118, p. 8, 40.) **VA**

1312. **A Steel ship built without rivets.** illus. (Scientific American supplement. New York, 1918. v. 86, p. 197.) **VA**

1312a. **Sutphen, H. R.** Structural steel standardized cargo vessels. (International marine engineering. New York, 1918. v. 23, p. 695-698.) **VXA**

1313. **T.S.S. "Hakushika Maru."** First steamer from the new Asano shipbuilding yard. illus. (Shipbuilding and shipping record. London, 1918. v. 11, p. 677-680.) **† VXA**

1314. **The Test of electric welding for constructing ships.** (American machinist. New York, 1918. v. 48, p. 1012.) **† VFA**

1315. **Twin-screw passenger and cargo steamer "Città di Trieste."** illus. (Shipbuilding and shipping record. London, 1918. v. 11, p. 412.) **† VXA**

1316. **Twin-screw passenger steamer "Stavangerfjord."** illus. (Engineering. London, 1918. v. 106, p. 170-172, 174.) **VDA**

1317. **United States.**—Shipping Board Emergency Fleet Corporation. Structural steel for ships. Standard practice recommended by American steel makers as adopted by the Emergency Fleet Corporation. n. p. (1918,) 15 p. 12°. **VXH**

1318. **Unsinkable cargo vessel.** Isherwood method of securing maximum floatability for ships liable to submarine attack. (Nautical gazette. New York, 1918. v. 93, no. 13, p. 4-5.) **† VXA**

1319. **Unsinkable mercantile ships.** (Engineer. London, 1918. v. 125, p. 99.) **VA**

1320. **Walton, Thomas.** Steel ships: their construction and maintenance... London: Charles Griffin & Co., 1918. xvi, 332 p. illus. 4. ed. 8°. **VXHK**

1919

1320a. **Fabricated-ship construction in one year's experience.** (Engineering news-record. New York, 1919. v. 82, p. 16-17.) **† VDA**

REINFORCED CONCRETE SHIPS

1908

1321. **Reinforced concrete as a building material for boats.** illus. ((Scientific American. New York, 1908. v. 99, p. 152-153.) **VA**

1322. — (Marine review. New York, 1908. v. 38, no. 14, p. 51-55.) **VXA**

1909

1323. **Kieffer, H. P.** Reinforced concrete boats. illus. (International marine en-

gineering. New York, 1909. v. 14, p. 287-290.) **† VXA**

1324. **Lemaire, E.** Chalands et pontons en ciment armé. illus. (Génie civil. Paris, 1909. tome 54, p. 233-236.) **VA**

1325. **Nast, B.** Schiff aus Eisenbeton. illus. (Beton und Eisen. Berlin, 1909. Jahrg. 8, p. 349.) **† VEA**

1326. **Reinforced concrete boats.** illus. (Cement record. Kansas City, 1909. v. 2, no. 6, p. 1-5.) **VEOM**

*Reinforced Concrete Ships, continued.**1909, continued.*

1327. Die Schiffbauten System Gabellini. illus. (Beton und Eisen. Berlin, 1909. Jahrg. 8, p. 14-17.) † VEA

1328. Wilkes, Paul. How to make a sea-worthy boat of concrete at small cost. (Concrete. Detroit, 1909. v. 9, no. 5, p. 36-38.) † VEA

1910

1329. Reinforced concrete barges on the Pacific division of the Panama canal. illus. (Engineering record. New York, 1910. v. 61, p. 707-708.) VDA

1330. Reinforced-concrete barges on the Panama canal. illus. (Engineering news. New York, 1910. v. 64, p. 96-97.) VDA

1331. A Reinforced concrete scow. illus. (Concrete engineering. Cleveland, 1910. v. 5, p. 298.) † VEA

1911

1332. Ein Neuer Eisenbetonbalken System Hannemann "S. H." illus. (Beton und Eisen. Berlin, 1911. Jahrg. 10, p. 93-94.) † VEA

1333. A Reinforced concrete scow. illus. (Cement world. Chicago, 1911. v. 5, no. 5, p. 27-28.) † VEA

1334. Rupp, M. E. Concrete barges for the Panama canal. illus. (Cement era. Chicago, 1911. v. 9, no. 2, p. 26-28.) † VEA

1335. Scheible, Albert. A motor boat of reinforced concrete. illus. (Cement era. Chicago, 1911. v. 9, no. 2, p. 25-26.) † VEA

1336. Stross, Walther. Schwimmkörper aus Eisenbeton. Berlin: W. Ernst & Sohn, 1911. iv, 127 p. illus. 4°. (Forscheraarbeiten auf dem Gebiete des Eisenbetons. Heft 16.) VEO

1337. Taylor, James. Reinforced concrete barges. (Canadian engineer. Toronto, 1911. v. 20, p. 414-415.) VDA

1912

1338. Faber, O. Beton bei Schiffsboden-reparatur. illus. (Beton und Eisen. Berlin, 1912. Jahrg. 11, p. 156.) † VEA

1339. Reinforced concrete barges for sludge pumps, Manchester ship canal. illus. (Engineering and contracting. Chicago, 1912. v. 38, p. 316-317.) VDA

1913

1340. Sudler, C. E. A 500-ton reinforced-concrete scow. illus. (Engineering news. New York, 1913. v. 69, p. 466-467.) VDA

1915

1341. King, A. W. The building of concrete scows is made a commercial success. illus. (Cement era. Chicago, 1915. v. 13, no. 4, p. 44-45.) † VEA

1342. Rowland, W. Experiences gained from reinforced-concrete barges built for the Panama canal. illus. (Engineering record. New York, 1915. v. 71, p. 684-686.) VDA

1916

1343. Weber, Carl. New methods devised for building ships of concrete. (Engineering record. New York, 1916. v. 74, p. 779-780.) VDA

1917

1344. Air placed concrete for ships and barges. (Concrete. Detroit, 1917. v. 11, p. 170, 192.) VEA

1345. Booker, G. E. Monolithic ship construction. (Canadian engineer. Toronto, 1917. v. 33, p. 114.) VDA

1346. Brinker, Joseph. One-piece ships of stone. illus. (Popular science monthly. New York, 1917. v. 91, p. 556-557.) * DA

1347. Campbell, H. C. Concrete ships may solve shipping problem. illus. (Cement world. Chicago, 1917. v. 11, Aug., 1917, p. 13-16.) † VEA

1348. Les Chalands et navires en béton armé. Construction des navires "Béton r" et "Namsenfjords" à Porsgrund et à Moss. illus. (Génie civil. Paris, 1917. tome 71, p. 349-352.) VA

1349. Concrete for naval construction. (Concrete. Detroit, 1917. v. 11, p. 192-193.) VEA

1350. Concrete for ships. (Times engineering supplement. London, May 25, 1917, p. 107.) * A

1351. The Concrete ship as a new arm of transportation. (Concrete highway magazine. Chicago, 1917. v. 1, July, 1917, p. 8.) † VEA

1352. Concrete shipbuilding. illus. (Concrete and constructional engineering. London, 1917. v. 12, p. 628-636.) VEOM

Reinforced Concrete Ships, continued.
1917, continued.

1353. Concrete shipbuilding firmly established by Norwegian firm. illus. (Engineering news-record. New York, 1917. v. 79, p. 1088-1091.) **VDA**

1354. Concrete ships. (American marine engineer. Norfolk, 1917. v. 12, Sept., 1917, p. 21.) **VXA**

1355. Concrete ships. illus. (Marine engineer. London, 1917. v. 40, August, 1917, p. 10-12.) **†VXA**

1356. Concrete ships. (Yachting. New York, 1917. v. 22, p. 119, 144-145.) **MVRA**

1357. Concrete ships in foreign countries. (Concrete age. Atlanta, 1917. v. 26, Sept., 1917, p. 22-24.) **†VEA**

1358. Concrete ships to combat submarines. (Concrete age. Atlanta, 1917. v. 26, Aug., 1917, p. 19-20.) **†VEA**

1359. Concrete transport to aid shipping. illus. (Marine review. Cleveland, 1917. v. 47, p. 310-311.) **†VXA**

1360. Ferro-concrete barges. illus. (Shipping. New York, 1917. v. 1, p. 322-325.) **†TRA**

1361. Ferro-concrete shipbuilding. illus. (Engineering. London, 1917. v. 104, p. 364-366, 420-422.) **VDA**

1362. Ferro-concrete ships. (Scientific American supplement. New York, 1917. v. 84, p. 245, 360-362.) **VA**

1363. Ferro-concrete vessels. (Engineering. London, 1917. v. 104, p. 178-179, 381-382.) **VDA**

1364. Ferro-concrete vessels. illus. (International marine engineering. New York, 1917. v. 22, p. 493-495.) **†VXA**

1365. Hoar, Allen. Reinforced concrete for shipbuilding. illus. (International marine engineering. New York, 1917. v. 22, p. 300-303.) **†VXA**

1366. Interesting facts about concrete ships. illus. (Rock products and building materials. Chicago, 1917. v. 20, Aug. 29, 1917, p. 17-18.) **†VEA**

1367. Large vessels built of reinforced concrete in Norway. (Engineering record. New York, 1917. v. 75, p. 315.) **VDA**

1368. Pollock's improved design of reinforced concrete vessels. illus. (Marine engineer. London, 1917. v. 40, Sept., 1917, p. 26-27.) **†VXA**

1369. Portland Cement Association. Concrete ships. Chicago, 1917. 35 p. illus. 8°. (In: Portland Cement Association. Collection of pamphlets.) **VEOM**

1370. Progress in reinforced concrete ship building. (Engineering and contracting. Chicago, 1917. v. 48, p. 532-534.) **VDA**

1371. Reinforced concrete barges and pontoons. (Concrete age. Atlanta, 1917. v. 26, Sept., 1917, p. 20-21.) **†VEA**

1372. Reinforced concrete in shipbuilding. illus. (Marine review. Cleveland, 1917. v. 47, p. 291-292.) **†VXA**

1373. Reinforced concrete in ship construction. (Concrete age. Atlanta, 1917. v. 26, Sept., 1917, p. 19-20.) **†VEA**

1374. Reinforced concrete for ships. (Canadian engineer. Toronto, 1917. v. 33, p. 58-59.) **VDA**

1375. Reinforced concrete ships. (Australian statesman and mining standard. Sydney, 1917. v. 57, p. xxi.) **3-†VHF**

1376. Reinforced concrete ships. (Concrete age. Atlanta, 1917. v. 26, Sept., 1917, p. 34-35.) **†VEA**

1377. Reinforced concrete ships. illus. (Municipality. Madison, 1917. v. 17, p. 111-112.) **SERA**

1378. Reinforced concrete ships and barges. illus. (Concrete and constructional engineering. London, 1917. v. 12, p. 382-387.) **VEOM**

1379. Sea-going ships of concrete. illus. (Concrete. Detroit, 1917. v. 11, p. 169-170.) **†VEA**

1380. Skerrett, R. G. Ships of stone. illus. (Scientific American. New York, 1917. v. 117, p. 361-369.) **VA**

1381. Strength calculations for concrete. illus. (Shipping. New York, 1917. v. 1, p. 10-11.) **†TRA**

1382. Stroyer, R. N. Concrete vessels. illus. (Shipbuilding and shipping record. London, 1917. v. 10, p. 105-107.) **†VXA**

1383. 300-ton ferro-concrete barge. (Shipbuilding and shipping record. London, 1917. v. 10, p. 420-421.) **VXA**

1384. Tondering, C. J. Jaernbetonskibsbygning. illus. (Ingeniøren. København, 1917. Aarg. 26, p. 515-520.) **VDA**

1385. United States. — Merchant Marine and Fisheries Committee (House, 65:1). Concrete ships... Washington: Gov. Prtg. Off., 1917. 26 p. 8°. **VXHG**

Repr.: Times engineering supplement, May 25, 1917, supplement to London Times.

1386. Weber, Carl. Reinforced concrete ship construction. (English mechanic and world of science. London, 1917. v. 105, p. 78.) **VA**

1387. Workman, G. C. Reinforced concrete barges at Bahia. illus. (Concrete and constructional engineering. London, 1917. v. 12, p. 553-558.) **VEOM**

Reinforced Concrete Ships, continued.

1918

1388. **Alfsen, Harold.** Bygning of Jaernbetonskibe. illus. (Ingeniøren. København, 1918. Aarg. 27, p. 67-74.) **VDA**

1389. **American Concrete Institute.** Report of the joint committee of the American Concrete Institute and the Portland Cement Association on concrete barges and ships. January, 1918. 161. 4°. Typewritten copy.

1390. **The American ocean-going concrete steamship Faith.** illus. (Engineer. London, 1918. v. 125, p. 518-519.) **VA**

1391. **Basadre y G., Carlos.** El concreto armado y las construcciones maritimas. (Boletín de minas. Lima, 1918. serie 2, tomo 10, núm. 4/6, p. 49-54.) **VHA**

1392. **Les Bateaux en béton armé aux États-Unis.** illus. (Génie civil. Paris, 1918. tome 73, p. 121-124.) **VA**

1393. **Bending stresses in concrete ships—a warning.** (Scientific American. New York, 1918. v. 118, p. 354.) **VA**

1393a. **Bonnaffon, S. A.** Concrete ships for ocean service. (Commercial America. Philadelphia, 1918. v. 15, p. 31-35.) **TLA**

1393b. **Brewer, Fred.** Development of concrete ships. (Pacific motor boat. Seattle, 1918. v. 2, no. 2, p. 13-16.) **VXA**

1394. **British-built concrete vessel.** illus. (Shipbuilding and shipping record. London, 1918. v. 11, p. 492, 524.) **† VXA**

1395. **British standard concrete ships.** illus. (Shipbuilding and shipping record. London, 1918. v. 12, p. 108-112.) **† VXA**

1396. **Building concrete ships.** illus. (Nautical gazette. New York, 1918. v. 93, no. 6, p. 11.) **† VXA**

1397. **The Building of reinforced-concrete ships.** illus. (Engineering. London, 1918. v. 106, p. 114-115, 118.) **VDA**

1398. **Capmany, J.** Buques de hormigón armado. El primer "cargo-boat" español. illus. (Iberica. Tortosa, 1918. v. 9, p. 170-171.) **OA**

1399. **Concrete barges and ships.** (International marine engineering. New York, 1918. v. 23, p. 285-289.) **† VXA**

1400. **A Concrete cargo carrier.** illus. (The rudder. New York, 1918. v. 34, p. 22-23.) **† MVRA**

1401. **Concrete cargo vessels.** illus. (Nautical gazette. New York, 1918. v. 93, May 11, 1918, p. 8-9.) **† VXA**

1402. **Concrete ship of 3,500 tons dead-weight designed by Emergency Fleet Cor-**

poration. illus. (International marine engineering. New York, 1918. v. 23, p. 446-449.) **† VXA**

1403. **The Concrete ship problem.** illus. (Scientific American supplement. New York, 1918. v. 86, p. 20-21.) **VA**

1404. **Concrete shipbuilding.** illus. (Concrete and constructional engineering. London, 1918. v. 13, p. 127-132.) **VEOM**

1405. **Concrete ships for the United States Shipping Board.** (Shipbuilding and shipping record. London, 1918. v. 12, p. 183-184.) **VXA**

1406. **Concrete ships offer added power against U-boats. How the concrete ship is built...** illus. **Vertical file—Tech. Div.** Clipping from *New York Tribune*, March, 1918.

1407. **Concrete vessels in France.** illus. (Concrete and constructional engineering. London, 1918. v. 13, p. 182-191.) **VEOM**

1408. **Construction features of concrete ships.** (Engineering and contracting. Chicago, 1918. v. 50, p. 303-304.) **VDA**

1409. **Construction of concrete ships.** Letters and reports submitted on the cost, plans, and advantages in the construction of concrete ships as submitted by constructing engineers to the chairman of the Emergency Fleet Corporation and the Senate Commerce Committee. Washington: Gov. Prtg. Off., 1918. 58 p. 8°. (U. S. 65. cong., 2. sess. Senate doc. no. 239.) *** SBE**

1410. **Construction problems many in building concrete ships.** (Engineering news-record. New York, 1918. v. 81, p. 93-95.) **VDA**

1411. **Data as to the 5,000-ton concrete ship "Faith," with comment on its costs.** (Engineering and contracting. Chicago, 1918. v. 49, p. 497.) **VDA**

1412. **Denny, Maurice.** The possibilities of the ferro-concrete ship. (Engineering. London, 1918. v. 105, p. 383-386.) **VDA**

1413. ——— (Nautical gazette. New York, 1918. v. 93, no. 16, p. 4-5.) **† VXA**

1414. ——— A preliminary survey of the possibilities of reinforced concrete as a material for ship construction. illus. (Concrete and constructional engineering. London, 1918. v. 13, p. 173-181.) **VEOM**

1415. ——— (Shipbuilding and shipping record. London, 1918. v. 11, p. 350-352.) **† VXA**

1416. **Design features of concrete ship developed by government department of concrete ship construction.** (Engineering and contracting. Chicago, 1918. v. 50, p. 88-89.) **VDA**

*Reinforced Concrete Ships, continued.**1918, continued.*

1417. **Dodge, Alfred.** Hybrids of the sea. illus. (Illustrated world. New York, 1918. v. 29, p. 861-864.) **VDA**

1417a. **Dondona, Filiberto.** Navi in cemento armato. (Rivista marittima. Roma, 1918. v. 51, p. 27-47.) **VXA**

1418. **Egleston, Howard.** Rapidly building and launching concrete ships. illus. (Contracting. New York, 1918. v. 6, p. 369-371.) **† VEA**

1419. **Espitallier, G.** Construction of reinforced concrete ships by Hennebique and Marelle systems. illus. (Engineering and contracting. Chicago, 1918. v. 49, p. 519-521.) **VDA**

1420. — **Les constructions navales en béton armé.** (Génie civil. Paris, 1918. tome 72, p. 1-7, 25-28.) **VA**

1421. **Everett, H. A.** The fallacy of concrete ships. (International marine engineering. New York, 1918. v. 23, p. 61-63.) **† VXA**

1422. **Faith, the first concrete cargo carrier.** illus. (The rudder. New York, 1918. v. 34, p. 230-232.) **† MVRA**

1423. **Ferguson, L. R.** Concrete ships. illus. (American Society of Marine Draftsmen. Journal. Philadelphia, 1918. v. 4, p. 105-108.) **† VXA**

1424. — — (Engineers Club of Philadelphia. Journal. Philadelphia, 1918. v. 35, p. 90-93.) **VDA**

1425. — **Designing of concrete ships.** illus. (Mining and scientific press. San Francisco, 1918. v. 116, p. 586-587.) **VA**

1426. **Ferro-concrete ships.** (Marine engineer. London, 1918. v. 40, p. 213-216.) **† VXA**

1427. **Ferro-concrete ships.** (Shipbuilding and shipping record. London, 1918. v. 11, p. 497-498.) **† VXA**

1428. **Ferro-concrete ships.** (Shipbuilding and shipping record. London, 1918. v. 11, p. 311-312, 413-416.) **† VXA**

1429. **First large concrete ship is building at San Francisco.** illus. (Engineering news-record. New York, 1918. v. 80, p. 105-108.) **VDA**

1430. **Freeman, J. E.** Concrete ships and barges. (Cleveland Engineering Society. Journal. Cleveland, 1918. v. 10, p. 345-358.) **VDA**

1431. — **The development of concrete barge and ship construction.** illus. (American Society of Mechanical Engineers. Journal. New York, 1918. v. 40, p. 292-297.) **VDA**

1432. — **History of concrete barge and ship construction.** (Engineering and contracting. Chicago, 1918. v. 49, p. 505-508.) **VDA**

1433. — **Progress in the application of concrete to barge and shipbuilding.** (Western Society of Engineers. Journal. Chicago, 1918. v. 23, p. 205-220.) **VDA**

1434. — **Progress in the application of concrete to shipbuilding.** illus. (Utah Society of Engineers. Monthly journal. Salt Lake City, 1918. v. 4, p. 61-77.) **VDA**

1435. **French concrete ships.** illus. (Shipbuilding and shipping record. London, 1918. v. 11, p. 256-257.) **† VXA**

1436. **Government designs and builds 3,500-ton concrete ships.** illus. (Engineering news-record. New York, 1918. v. 81, p. 17-21.) **VDA**

1437. **Gueritte, T. J.** Ferro-concrete ship construction. illus. (Shipping. New York, 1918. v. 3, April 27, 1918, p. 12-13.) **† TRA**

1438. — **Ferro-concrete ships.** (Engineer. London, 1918. v. 125, p. 237-238.) **VA**

1439. — — (Engineering. London, 1918. v. 105, p. 295-298.) **VDA**

1440. — — (Indian and eastern engineer. Calcutta, 1918. v. 42, p. 188-190; v. 43, p. 18-20.) **VDA**

1441. — — (International marine engineering. New York, 1918. v. 23, p. 329-334.) **† VXA**

1442. — — (Iron and coal trades review. London, 1918. v. 96, p. 315-316.) **† VIA**

1443. — — (Motorship. Seattle, 1918. v. 3, April, 1918, p. 9-10, 24.) **† VXA**

1444. — — (Nautical gazette. New York, 1918. v. 93, no. 14, p. 4-5.) **† VXA**

1445. — — (Scientific American supplement. New York, 1918. v. 85, p. 286-287, 298-299.) **VA**

1446. **Heard, F. C.** How concrete ship was developed. (Marine review. Cleveland, 1918. v. 48, p. 373-374.) **VXA**

1447. **Hoar, Allen.** Application of reinforced concrete to ship construction. illus. (Engineering and contracting. Chicago, 1918. v. 49, p. 409-411.) **VDA**

1448. **Jennings, Frederick.** Concrete ships. illus. (Architect and engineer of California. San Francisco, 1918. v. 54, p. 99-103.) **MQA**

1449. **Joint committee on concrete ships makes report.** Cement Association and Concrete Institute join in study of concrete for floating craft. (Engineering news-record. New York, 1917. v. 79, p. 1126-1127.) **VDA**

Reinforced Concrete Ships, continued.

1918, continued.

1450. — (Concrete and constructional engineering. London, 1918. v. 13, p. 257-262.) **VEOM**

1451. Largest concrete ship ever built has been launched on Pacific coast. illus. (Engineering and cement world. Chicago, 1918. v. 12, April, 1918, p. 13-14.) † **VEA**

1452. Lorton system of reinforced-concrete hull construction. (Shipbuilding and shipping record. London, 1918. v. 11, p. 623.) † **VXA**

1453. The Marine use of concrete. illus. (Scientific American. New York, 1918. v. 118, p. 81, 94.) **VA**

1454. Nash, J. P. Light weight concrete for ships from special aggregate. (Engineering news-record. New York, 1918. v. 81, p. 136-137.) **VDA**

1455. Oldham, J. R. Observations on ferro-concrete ships. (Nautical gazette. New York, 1918. v. 93, no. 24, p. 4.) † **VXA**

1456. Owen, H. S. Concrete ships. (Engineers' Club of St. Louis. Journal. St. Louis, 1918. v. 3, p. 243-255.) **VDA**

1457. Phenix, Albert. Will the concrete steamship measure up to builders' expectations? illus. (Manufacturers record. Baltimore, 1918. v. 73, April 4, 1918, p. 75-77.) 3-† **VXA**

1458. Pollock, Walter. Reinforced concrete vessels. illus. (Engineering. London, 1918. v. 105, p. 366-369.) **VDA**

1459. — (Shipbuilding and shipping record. London, 1918. v. 11, p. 385-389.) † **VXA**

1460. — (Engineer. London, 1918. v. 125, p. 279-280.) **VA**

1461. Portland Cement Association. Concrete ships. 1849-1918. n. t.-p. [n. p., 1918.] 31 p. illus. 8°.

1462. — More progress in concrete ship construction. n. t.-p. n. p., 1918. 11 p. illus. 8°.

1462a. — The reinforced concrete cargo steamship Faith, the largest concrete vessel afloat. [Chicago:] Portland Cement Association [1918]. 61. illus. 8°.
VXC p.v.26, no.8

1463. — Successful trial trip of the reinforced concrete cargo steamship Faith. n. t.-p., n. p., 1918. 15 p. illus. 8°.

1464. Possibilities of the ferro-concrete ship. illus. (Nautical gazette. New York, 1918. v. 93, April 25, 1918, p. 4-5.) † **VXA**

1465. Problems of designing the reinforced-concrete ship. (Engineering news-record. New York, 1918. v. 81, p. 167-171.) **VDA**

1466. Reinforced concrete cargo steamer. illus. (International marine engineering. New York, 1918. v. 23, p. 64-65.) † **VXA**

1467. Reinforced concrete motorship "Benton I." illus. (Shipbuilding and shipping record. London, 1918. v. 11, p. 58-60.) † **VXA**

1467a. Reinforced concrete shipbuilding in Dorsetshire. (Engineer. London, 1918. v. 126, p. 408-410.) † **VA**

1468. Reinforced concrete ships. illus. (Power plant engineering. Chicago, 1918. v. 22, p. 395-398.) **VDA**

1468a. Reinforced concrete ships in U. S. A. (Concrete and constructional engineering. London, 1918. v. 13, p. 459-467.) **VEOM**

1469. Rosing, A. S. Concrete ships for ocean service. illus. (Tractor and gas engine review. Madison, 1918. v. 11, June, 1918, p. 8-9, 16, 66.) † **VFA**

1470. Schiffe aus Eisenbeton. illus. (Schweizerische Bauzeitung. Zürich, 1918. Bd. 71, p. 272-274.) **VEA**

1471. Scott, A. H. Reinforced concrete ships. (Canadian engineer. Toronto, 1918. v. 34, p. 537-538.) **VDA**

1472. Searle, A. B. Concrete boats and motor boats. illus. (Concrete and constructional engineering. London, 1918. v. 13, p. 35-44.) **VEOM**

1473. Ships of stone — 1849-1918. illus. (Scientific American. New York, 1918. v. 119, p. 165, 179.) **VA**

1474. Skerrett, R. G. Ferro-concrete shipbuilding in Norway. illus. (International marine engineering. New York, 1918. v. 23, p. 14-17.) † **VXA**

1475. Some notes on concrete shipbuilding. illus. (Concrete and constructional engineering. London, 1918. v. 13, p. 302-306.) **VEOM**

1476. Springer, J. F. The big concrete ship not unreasonable. (International marine engineering. New York, 1918. v. 23, p. 383-386.) † **VXA**

1477. — Concrete boats as a transportation asset. illus. (Architect and engineer of California. San Francisco, 1918. v. 54, p. 104-105C.) **MQA**

1478. Standardized concrete ships in the United States. (Shipbuilding and shipping record. London, 1918. v. 12, p. 210-212.) † **VXA**

*Reinforced Concrete Ships, continued.**1918, continued.*

1478a. Stroyer, R. N. Novel method of constructing concrete vessels. (Shipbuilding and shipping record. London, 1918. v. 12, p. 327-330.) **VXA**

1479. A Survey of reinforced concrete ships. (Shipbuilding and shipping record. London, 1918. v. 12, p. 135-136.) † **VXA**

1480. 1,000-ton ferro-concrete motor vessel on the Alfsen system. illus. (Engineering. London, 1918. v. 105, p. 456-457.) **VDA**

1481. Thurston, T. G. O. Concrete cargo vessels. (Nautical gazette. New York, 1918. v. 93, no. 18, p. 8-9.) † **VXA**

1482. — On the design and construction of self-propelled reinforced concrete

sea-going cargo steamers, now building in Great Britain. (Concrete and constructional engineering. London, 1918. v. 13, p. 240-247.) **VEOM**

1483. — — (International marine engineering. New York, 1918. v. 23, p. 455-464.) † **VXA**

1484. — Reinforced concrete seagoing cargo steamers. (American Society of Naval Engineers. Journal. Washington, 1918. v. 30, p. 422-439.) **VXA**

1485. — — (Engineering. London, 1918. v. 105, p. 335-341.) **VDA**

1486. Wig, R. J., and S. C. HOLLISTER. Concrete ships. (Concrete and constructional engineering. London, 1918. v. 13, p. 486-489.) **VEOM**

INDEX OF AUTHORS

Numbers refer to individual entries.

A

Abell, T. B., 293.
Abell, W. S., 6, 7, 94, 264, 315, 1257, 1258.
Ahlborn, Fr., 35.
Albrecht, Max, 694.
Alexander, F. H., 95, 96, 97.
Alfsen, Harald, 1388.
Allen, F. J., 322a.
American Bureau of Shipping, 202, 1219.
American Concrete Institute, 1389.
Anderson, John, 316, 317.
Asmussen, G., 331.
Attilio, Dagnino, 623, 695, 775, 858, 921.
Attwood, E. L., 36, 146, 203, 238, 922, 989, 1221.
Ayre, A. L., 204.
Ayre, Wilfrid, 265.

B

Bacon, R. H. S., 776, 777, 778, 779.
Bahon, Max, 1146.
Baier, L. A., 266.
Baker, G. S., 99, 100, 147, 148, 157, 172, 173, 174, 175, 176, 205, 206, 239, 267, 294, 295.
Baldwin, G. J., 518, 519.
Ballard, Maxwell, 101, 102, 103, 990.
Ballin, F. A., 575.
Barbé, J., 332.
Barber, G. H., 207, 466, 1147.
Barnett, M. K., 1148.
Barringer, Herbert, 1149, 1150, 1151.
Barry, R. E., 780.
Basadre y G., C., 1391.
Battles, D. R., 1077.
Bauer, M. H., 208.
Beard, A. H., 520.
Behn, 991.
Bell, E. W., 447.
Bell, Thomas, 625.
Benjamin, Ludwig, 209, 240.
Benvenuti, E., 296.
Berndt, O., 852.
Berry, W. T., 626, 696, 697.
Bertin, L. E., 149, 210.
Bieliawin, L., 333.
Biles, Sir John Harvard, 37, 38, 104, 105, 1078.
Bion, C. W., 318.
Blaum, 750.
Blood, W. H., jr., 522.
Bock, 334.
Bodenmueller, Albert, 860.
Boettcher, Anton, 335.
Bogert, J. J., 580.
Boklevsky, C., 627.
Bonnaffon, S. A., 1393a.
Booker, G. E., 1345.
Borckenhagen, 924.
Bourdelle, F. M., 150.
Boyd, W., 733, 734.
Brenzinger, A. H., 606.
Brewer, C. B., 106.
Brewer, F., 1393b.
Brimblecombe, P. Y., 241.

Brinker, Joseph, 1346.
Brown, T. M., 354.
Brown, William, 1152.
Bruenner, M. A. R., 630.
Bruhn, J., 39, 177.
Buchsbaum, G., 785.
Bureau Veritas, 569, 572, 861, 925, 1080, 1081.
Burgoyne, A. H., 107, 151, 178, 993, 994, 1082.
Burnside, E. A., 574.
Burtner, Evers, 1263.

C

Cairns, C. W., 319.
Caizzi, Louis, 336.
Campbell, H. C., 1347.
Cannon, A., 152, 179, 180.
Capmany, J., 1398.
Carmichael, A. W., 1264.
Carr, M. F., 581.
Carter, Sir George, 1223, 1265, 1266, 1267, 1268, 1269.
Casimir-Perier, Claude, 996.
Churchill, F. A., jr., 468.
Claudy, C. H., 494.
Coburn, F. G., 495.
Cohce, T. L., 496.
Coker, E. G., 109, 110.
Coleman, F. C., 409, 787, 788, 927, 928, 1001, 1002, 1155, 1156, 1157.
Collie, J. H., 377.
Collins, J. H., 1270.
Commentz, Carl, 211, 410.
Cone, E. F., 1187.
Cook, C. W., 1270a.
Cook, G. C., 1003, 1158, 1188.
Cooper, I. C. G., 203.
Cox, L. M., 469.
Craggs, E. H., 633, 634.
Crawford, W. K., 1271.
Cremdieu, Victor, 8.
Croneau, 704.
Cunningham, A. C., 378.
Curr, Robert, 636, 637, 866, 932.
Cyran, A., 379.

D

Dabney, Frank, 583.
Dal-Piaz, 1006.
De Gelder, M. G., 470, 471, 497.
Denny, Archibald, 269, 270.
Denny, Leslie, 40.
Denny, Maurice, 1412, 1413, 1414, 1415.
De Russett, E. W., 49, 50, 638.
Dickie, G. W., 181, 212, 1089, 1189.
Dietze, 791.
Dixie, E. A., 567.
Dobson, W. A., 869, 1161.
Dodge, Alfred, 1417.
Dohm, G. C., 472, 498.
Doig, Peter, 111, 213, 499.
Donald, James, 41, 42, 242.

Dondona, F., 1417a.
 Donnelly, W. T., 357, 380, 457, 584, 934, 1009.
 Doyère, C., 320.
 Driessen, Paul, 639.
 Dunn, H. H., 585.
 Dymont, C. V., 528.

E

Eaton, C. A., 529.
 Eckmann, C. J., 793.
 Egleston, Howard, 1418.
 Eley, C. V. A., 243, 1281.
 Espitalier, G., 1419, 1420.
 Estep, H. C., 531, 532, 586, 608.
 Estrada, Ramón, 9.
 Everett, H. A., 43, 244, 272, 1421.

F

Faber, O., 1338.
 Fea, Leonardo, 1090.
 Félix, A., 153.
 Ferguson, L. R., 1423, 1424, 1425.
 Ferretti, E., 1191.
 Ferris, T. E., 595, 596, 597, 598, 600, 601.
 Finlay, K. G., 245.
 Flamm, Oswald, 112, 113, 182, 183, 214, 337.
 Flanders, R. E., 338.
 Fletcher, Andrew, 576, 1192.
 Fletcher, R. A., 795, 1011.
 Foerster, Ernst, 642, 936.
 Fowler, C. E., 1091.
 Frahm, H., 114, 115, 116.
 Franzius, O., 397.
 Freeman, J. E., 1430, 1431, 1432, 1433, 1434.
 French, F. J., 1284, 1285.

G

Gardner, J. H., 626, 696, 697.
 Gatewood, R. D., 1196, 1229.
 Gatewood, William, 184, 246, 475.
 Gebers, Fr., 10, 117.
 Geynet, G., 941, 1095.
 Giraud, J. E., 875.
 Given, E. C., 154.
 Glazebrook, R. T., 79, 80.
 Goodrich, C. F., 802.
 Goulæff, E. E., 11, 12, 13, 45.
 Gracie, Alexander, 215.
 Gracy, J. W., 1096.
 Graemer, L., 876, 942.
 Greenhill, George, 46.
 Gregory, H. B., 944, 945, 1025.
 Grondal, B. L., 610.
 Grunsky, C. E., 155.
 Guembel, 185.
 Gueritte, T. J., 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445.
 Gundersen, A., 360.

H

Handy, I. O., 806.
 Hart, M. G., 807.
 Haver, A. H., 156, 716, 808, 809.
 Heard, F. C., 1446.

Heesch, Otto, 949.
 Herner, Heinrich, 14, 81.
 Hiley, A., 434, 435.
 Hill, M. F., 1230, 1287.
 Hill, R. C., 587, 611, 1288.
 Hillhouse, P. A., 118, 501, 502, 503.
 Hoar, Allen, 1200, 1365, 1447.
 Holbrook, G. G., 273.
 Hollister, S. C., 1486.
 Holm, Axel, 341, 717.
 Holmes, Samuel, 648.
 Holms, A. C., 1201, 1231.
 Holt, C. F., 247, 248, 298.
 Holzapfel, A. C., 274.
 Hopf, Ludwig, 82.
 Horn, Fritz, 83, 119.
 Hornor, H. A., 1289.
 Hovgaard, William, 47, 48, 84, 120, 1162.
 Howards, J. E., 216.
 Hughes, C. H., 299.
 Hunt, H. R., 718.
 Hunter, G. B., 49, 50.

I

Idle, George, 121, 157.
 Isherwood, J. W., 321, 651, 652, 653.

J

Jack, J. R., 51.
 James, S. V., 322.
 Jarvis, H. R., 342.
 Jennings, Frederick, 1448.
 John, T. G., 217, 218.
 Judaschke, Franz, 656.

K

Kaemmerer, W., 343, 657, 721, 812.
 Keith, H. H. W., 219.
 Kelly, R. W., 322a.
 Kennedy, W. M., 505.
 Kent, J. L., 175, 176, 250, 251.
 Kerr, K. C., 506.
 Kieffer, H. P., 1323.
 Kielhorn, Carl, 15, 52, 658, 722, 723, 883.
 King, A. W., 1341.
 King, J. F., 275, 276, 1036, 1037.
 Kirby, F. E., 884.
 Klitzing, 344, 659.
 Kluge, C., 1101.
 Knipping, P., 813.
 Knopp, W., 397.
 Knorr, Paul, 1163.
 Knowles, F. P., 220.
 Kondo, Motoki, 725, 887, 1102.
 Koon, S. G., 660.
 Kretschmer, Otto, 16.
 Kreutzberg, E. C., 541.
 Kurtzahn, Ernst, 726.

L

Laas, Walter, 345, 563, 661, 953.
 La Bolina, Jack, pseud., 888.
 Lang, W. V., 728, 1232.
 Langendonck, C. van, 361, 384, 399.
 Laws, B. C., 53, 122, 221.

Lemaire, E., 1324.
 Leucke, 438.
 Leyland, John, 451.
 Liddell, A. R., 54, 85, 86, 87, 123, 158, 186, 187,
 222, 277, 278, 1203.
 Lienau, Otto, 124, 362, 439, 730, 892, 957, 1042.
 Long, A. E., 17, 18.
 Loof, W., 458.
 Lovett, W. J., 301, 302.
 Lucas, A., 159.
 Lucas, Theodore, 303, 508.
 Lundberg, Charles, 1293.
 Lyster, A. G., 733, 734.

M

McAlcer, J. A., 323.
 McDermid, N. J., 400.
 McEntee, William, 55, 56, 279, 280, 304, 305, 324,
 325.
 McGovern, John, 88.
 MacIlwaine, G. S., 958, 1043.
 Mackrow, Clement, 281.
 McPherson, Allan, 666.
 Mallock, A., 89.
 Martin, K. G., 893.
 Massenet, G., 159.
 Meyer, F., 125.
 Michenfelder, C., 363, 364, 387.
 Mills, J. C., 667.
 Montgomerie, James, 126, 252, 894, 1045, 1046, 1047,
 1165, 1166, 1167.
 Monetti, Luigi, 1295a.
 Morley, T. B., 19.
 Morrell, R. W., 1107, 1234, 1235, 1236, 1237, 1296,
 1297, 1298.
 Morrison, J. H., 1238.
 Mueller, E., 825.
 Muers, P., 1168.
 Murray, A. J., 58, 253, 282.
 Muth, D., 160.

N

Nash, J. P., 1454.
 Nast, B., 1325.
 Neudeck, G., 161.
 Nicol, George, 162, 283.
 Nobel, C., 348.

O

Oakleaf, H. B., 591.
 Ober, Shatswell, 306.
 Oesten, K., 838.
 Oldham, J. R., 616, 1300, 1301, 1455.
 Olin, E. W., 1169, 1170.
 Olsen, H. M., 745.
 O'Neill, J. J., 20, 21, 22.
 Orrok, G. A., 934.
 Osier, C. A., 544.
 Ott, J., 91.
 Otterson, J. E., 418.
 Owen, H., 904, 1301a, 1456.
 Owens, T. G., 1121, 1122, 1123, 1124, 1171.

P

Parke, Oscar, 1125.
 Paterson, J. H., 224.

Paulmann, 750.
 Peabody, C. H., 163, 188, 307.
 Pease, F. F., 327a.
 Peltier, J. G., 675, 676, 677, 678, 751.
 Pereira, E. R., 1126, 1207.
 Perrett, J. R., 1127.
 Peakett, L., 189, 225, 1128.
 Phelps, H. P., 459.
 Phenix, Albert, 1457.
 Phillips, Camillus, 511.
 Pietsker, Felix, 128.
 Ploeg, J. van, 129.
 Plummer, H. C., 1129.
 Polissadoff, J., 349.
 Pollock, Walter, 1458, 1459, 1460.
 Popp, M., 966.
 Portland Cement Association, 1369, 1461, 1462,
 1462a, 1463.
 Prendergast, Maurice, 130.
 Price, B. K., 546.
 Purvis, F. P., 190.
 Putnam, G. R., 1240.

R

Rahusen, R., 125.
 Ranft, Paul, 369.
 Rath, C., 419.
 Redwood, Sir Boverton, 1059.
 Reid, John, 1175, 1176, 1177.
 Renner, Wilhelm, 753.
 Reventlow, E. C. E. L. D., Graf zu, 420.
 Riddlesworth, W. H., 501, 502, 503.
 Rigg, E. H., 226, 1208.
 Roberts, T. G., 131.
 Robertson, J. M., 328.
 Robinson, R. H. M., 23, 227, 1242, 1243, 1244, 1306.
 Robinson, S. M., 1060.
 Rodgers, W. L., 191.
 Rosing, A. S., 548, 1469.
 Russell, H. E., 256.
 Rossi, Giuseppe, 257.
 Rothe, H. H. A., 164.
 Rouge, J., 967.
 Rowland, W., 1342.
 Rupp, M. E., 1334.
 Ruprecht, F. K., 308, 1178.
 Russo, G., 132, 284.

S

Sadler, H. C., 24, 25, 26, 61, 62, 63, 64, 228, 756,
 1210.
 Saunders, A. E., 1245.
 Sauvaire Jourdan, A. M. B., 27.
 Schaffran, Karl, 229, 258, 908.
 Scheible, Albert, 1335.
 Schmidt, Alf., 28, 65.
 Schmidt, R., 421.
 Schoen, J. G. von, 422.
 Schossberger, O. F., 423.
 Scott, A. H., 1471.
 Scribanti, A., 230.
 Searle, A. B., 1472.
 Siemann, 232.
 Simpson, George, 233.
 Skerrett, R. G., 66, 370, 371, 1380, 1474.
 Smith, John, 67, 68.
 Smith, S. F., 1065, 1134.
 Spanner, E. F., 259, 260.
 Springer, J. F., 1476, 1477.
 Stanton, T. E., 70, 71, 166.
 Steele, J. E., 192, 311.

Stevens, E. A., 1213.
 Stieghorst, J., 133.
 Stirling, Yates, 1251.
 Stocker, Robert, 425.
 Stross, Walther, 1336.
 Strouse, M. H., 844.
 Stroyer, R. N., 1382, 1478a.
 Suanzes, Carlos, 761.
 Sudler, C. E., 1340.
 Sutphen, H. R., 1312a.
 Suyehiro, K., 168, 193.

T

Talbot, F. A., 973, 1069.
 Tawressey, J. G., 455.
 Taylor, Benjamin, 764.
 Taylor, D. W., 29, 30, 31, 72, 73, 93, 134, 194, 234,
 235, 236, 261, 285, 312.
 Taylor, James, 1337.
 Terano, S., 135, 136, 1214.
 Thearle, S. J. P., 137, 138, 617, 682.
 Thele, W., 1137.
 Thompson, W. J., 618.
 Thornycroft, J. E., 683, 684, 685, 686, 687.
 Thurston, T. G. O., 1481, 1482, 1483, 1484, 1485.
 Timonoff, V. E. de, 351.
 Tobin, T. C., 195.
 Tondering, C. J., 1384.
 Toro, I., 329.
 Trask, E. P., 286.
 Treninkhinn, W. M., 352.
 Tunkl, F. von, 196.

U

Ulffers, 32.
 United States. — Shipping Board, 595, 596, 597, 598,
 599, 600, 601, 619, 1252, 1253, 1254, 1255, 1256,
 1317.

V

Van Duzer, L. S., 446.
 Van Gaasbeek, R. M., 620.
 Verth, M. zur, 913.

W

Wachtel, L., 1140.
 Wakeman, S. W., 515.
 Waldmann, Ernst, 139.
 Walker, J. B., 981, 982, 1075.
 Wall, A. T., 287, 288, 289, 1218.
 Wallace, W. C., 690.
 Walton, Thomas, 1320.
 Ward, Charles, 566.
 Warrington, J. N., 75, 76.
 Watson, T. H., 314.
 Watts, Sir Philip, 140, 291.
 Weber, Carl, 1343, 1386.
 Weihe, H., 852.
 Welch, J. J., 141, 142, 262, 263, 292, 691.
 Wellenkamp, H., 33.
 West, C. C., 692.
 White, E. S., 199.
 White, Sir W. H., 143, 144, 145, 169, 170, 983, 984.
 Wig, R. J., 1486.
 Wilkes, Paul, 1328.
 Willey, D. A., 34, 200, 1183.
 Williams, Henry, 425.
 Wilson, R. C., 1076.
 Wilson, W. J., 374, 1184.
 Woolland, Lloyd, 201, 281.
 Workman, G. C., 1387.
 Wrobbel, Gustav, 171.

Y

Young, H. W., 562.
 Yukawa, M., 135, 136.

Z

Zeyss, G., 774.
 Zueblin, 986.

INDEX OF SUBJECTS

Numbers refer to individual entries.

A

Agamemnon, 645.
Akers Mekanische Verksted, 360.
Alexandra, 647, 673.
Alsatian, 987, 1056.
American Shipbuilding Co., 464, 468.
Ames Shipbuilding & Dry Dock Co., 498.
Amiral Makaroff, 678.
Andania, 1005, 1085.
Ansaldo-Armstrong & Co., 404, 448.
Aquitania, 930, 971, 988, 1039, 1049, 1086, 1087, 1088, 1108, 1109, 1110, 1111, 1130.
Arizona, 1147.
Arkansas, 945.
Armstrong, Whitworth & Co., 330, 453.

B

Beams, 247, 248, 718.
Bellerophon, 624.
Ben-my-chree, 654.
Berlin, 730.
Berths, 350, 379, 478, 500.
Bethlehem Steel Co., 467, 511.
Bilge-tunnel, 310.
Blohm & Voss, 452.
Brazos, 660.
Britannic, 1079, 1117, 1141, 1142, 1143, 1144.
Bulkheads, 39, 47, 48, 58, 77, 84, 120, 177, 187, 197, 204, 242, 255, 256, 262, 263, 275, 276, 287, 288, 289, 290, 293, 301, 302, 308, 329.
Burmeister and Wain, 341.

C

Cable ships, 670, 1155, 1156.
Camber, 230.
Canadian Vickers, 463, 500.
Cap Finisterre, 936.
Cap Trafalgar, 1131.
Car ferry, 700, 717, 739, 745, 752, 763, 766, 788, 806, 812, 1129, 1153, 1169, 1170.
Carnegie, 564, 565, 567.
Chicago, 675.
Chiyo Maru, 868.
Cincinnati, 838.
City of Cleveland, 662.
City of Detroit III, 573, 926, 970.
Cleveland, 715.
Colliers, 680, 706, 742, 769, 780, 791, 851, 871, 892, 893, 928, 960, 978, 979, 1025, 1060, 1065, 1084, 1115, 1134, 1154, 1172, 1204, 1206.
Colossus, 817, 877.
Columbia Engineering Works, 552.
Commonwealth, 626, 696, 697.
Composite ships, 581, 582, 590.
Condorcet, 710.
Conte di Cavour, 898.
Corrugated ships, 702, 703, 808, 809, 958, 1043.
Corsican, 689.

Courbet, 874, 937.
Cranes, 335, 345, 350, 364, 365, 368, 387, 397, 416, 419, 439, 441, 458, 470, 471, 478, 497, 523, 534.
Cruisers, 740, 784, 805, 827, 858, 860, 864, 885, 886, 888, 999, 1028.

D

Dante Alighieri, 921.
Dartmouth, 879.
Deck houses, 252, 1036, 1037, 1165, 1166, 1167.
Decks, 224, 245.
Delaware, 768.
Diderot, 710.
Dimensions, 143, 144, 145, 149, 155, 169, 170, 316, 317.
Displacement, 24, 25, 26, 220, 326.
Docks, dry, 331, 332, 333, 349, 351, 352, 354, 417, 440, 469, 517, 526.
Docks, floating, 53, 160, 331, 337, 342, 344, 348, 352, 357, 358, 367, 372, 380, 392, 396, 407, 409, 426, 427, 428, 430, 432, 438, 445, 449, 461, 548.
Dockship, 644, 659.
Dreadnought, 107, 1126, 1161.
Dredger, 733, 734, 750, 762, 852, 867, 966, 991, 1091, 1137.
Duthie, J. F., & Co., 504.

E

Edgar Quinet, 676.
Ernest Renan, 709, 751.
Europa, 623, 814.
Experimental tanks, 9, 10, 23, 27, 29, 34, 43, 44, 57, 59, 60, 66, 78, 79, 80, 89, 94, 99, 100, 117, 127, 134, 147, 148, 200, 219, 279, 280, 284, 294.

F

Fabricated ships. *See* Standard ships.
Faith, 1390, 1411, 1422, 1463.
Ferries, 876. *See also* Car ferry.
Fire boats, 692, 844.
Florida, 944.
Fore River Shipbuilding Co., 473, 474, 477.
Foundation Co., 536.
Framing, 633, 634, 764, 1295.
France, 797, 799, 872, 939, 962, 995, 1071.
Franconia, 789, 816, 829, 896.
Free board, 15, 222, 272.
Fruit ships, 712, 1157, 1195.
Furness Shipbuilding Co., 542, 543.

G

George Washington, 639, 713, 726, 743, 755.
Germanischer Lloyd, 85.
Goeben, 950.
Great Lakes Engineering Works, 476.
Guadeloupe, 677.

H

Harland & Wolf, 340, 346, 375, 411.
 Heliopolis, 666.
 Hog Island shipyard, 518, 519, 520, 521, 522, 531,
 532, 533, 535, 537, 538, 539, 540, 545, 546, 547,
 549, 550, 555, 558, 560, 561, 562.
 Hong Kong, shipbuilding at, 429.
 Howaldtswerke, 436.

I

Imperator, 421, 947, 948, 954, 1022, 1030, 1031, 1050,
 1057, 1072, 1073, 1099, 1140.
 Indomitable, 629, 646.
 Iron Duke, 1026.
 Isherwood system, 651, 652, 653, 671, 785, 866, 932,
 1295a.
 Italy, 132.

J

Japan, 135, 136, 1214.
 Jean Bart, 874, 937, 1017.

K

Kaiserlich Werft, Kiel, 363.
 Kaiserlich Werft, Tsing-tau, 412.
 Kangaroo, 975, 1182.
 Kongo, 927, 951, 952, 1034, 1035.
 Krupp Germania shipyard, 431, 433.

L

Laconia, 865, 931.
 Lafayette, 1193.
 Launching, 67, 68, 207, 334, 338, 355, 362, 370,
 371, 383, 385, 386, 410, 413, 414, 421, 425, 434,
 435, 437, 447, 450, 455, 466, 499, 501, 502, 503,
 507, 510, 514.
 Laurentic, 664, 665, 771.
 Laying off, 203, 617, 1291.
 Lightships, 157, 942, 1003, 1010, 1044, 1069, 1096,
 1158, 1188, 1240.
 Lion, 946.
 Load line, 291.
 Lord Nelson, 645.
 Lusitania, 625, 1159.
 Lutetia, 1093.

M

Martha Washington, 632.
 Maryland Steel Co., 487.
 Mauretania, 635.
 Medina, 905.
 Minas Geraes, 628, 668, 693, 782.
 Mine-layers, 823, 1019.
 Mitsu-Bishi dockyard, 388, 389, 401, 444.
 Models, 23, 33, 70, 71, 87, 106, 194, 205, 206, 219,
 229, 234, 235, 236, 258, 261, 267, 1307.
 Mold lofts, 496.
 Monarch, 878, 880.
 Monitoria, 716, 808, 809.

N

Nederlandsche Fabriek, 398.
 Nevada, 964, 1216.
 New York, 425.
 New York City, ship yards, 485.
 New York Shipbuilding Co., 481.
 New Zealand, 889.
 Newark Bay shipyard, 525.
 Newport News Shipbuilding Co., 402, 479, 480.
 Nippon Yusen Kaisha, 796, 836.
 Norfolk navy yard, 378.
 North Dakota, 663, 768.
 North German Lloyd, 707.

O

Oklahoma, 964.
 Olympic, 772, 773, 818, 819, 820, 854, 855, 856, 899,
 902, 903, 906, 914, 916, 917, 918, 920.
 Ore-carrying ships, 611, 650, 667, 787, 794, 837, 892,
 1054, 1175, 1176, 1177.
 Orsova, 737.

P

Panama, shipyards, 486.
 Pearl Harbor, 526.
 Pennsylvania, 1217.
 Portsmouth dockyard, 454.
 Prinz Friedrich Wilhelm, 705.

Q

Queen Elizabeth, 1027, 1125.

R

Refrigerator ships, 912, 1194.
 Regina Elena, 655.
 Reina Victoria Eugenia, 1067.
 Repair ships, 714, 735.
 Resistance, 24, 25, 26, 30, 31, 35, 61, 62, 63, 64, 70,
 71, 72, 73, 156, 164, 166, 175, 176, 185, 188,
 194, 228, 234, 235, 239, 250, 295, 306, 320.
 Rheinland, 800.
 Rio de Janeiro, 783, 992.
 River steamers, 566, 570, 574, 576, 833, 862, 1076,
 1192.
 Riveting, 977, 1203, 1300.
 Robert Fulton, 754.
 Robins Dry Dock & Repair Co., 460, 483.
 Rochambeau, 940.
 Rolling, 8, 98, 105, 114, 115, 116, 119, 121, 154,
 157, 179, 201, 298.
 Roma, 695.
 Rotterdam Dockyard Co., 470, 471.

S

Sailing ships, 563, 568, 661, 1001.
 St. Nazaire, 376, 382, 395, 399, 405, 424, 443.
 St. Vincent, 693.
 Sakura Maru, 719, 720.
 São Paulo, 698, 847.
 Satsuma, 811.

Schichau-Werke, 391, 403.
 Seattle Construction and Dry Dock Co., 484.
 See-and-Bee, 961, 1062.
 Shanghai Dock and Engineering Co., 442.
 Shearing stress, 168, 193.
 Shinyo Maru, 882.
 Shooter's Island shipyard, 554.
 Skinner & Eddy, 472, 488.
 Sloan Shipyard Co., 513.
 Smith's Dock Co., 366, 381.
 Sound steamers, 576, 1192.
 Specifications, 51.
 Stability, 32, 54, 87, 91, 92, 97, 122, 123, 129, 139,
 152, 180, 181, 186, 209, 211, 221, 237, 240, 241,
 246, 254, 259, 260, 265.
 Standard ships, 323, 578, 593, 595, 596, 597, 598, 599,
 600, 601, 602, 603, 607, 619, 1212, 1220, 1223,
 1226, 1227, 1232, 1242, 1243, 1244, 1247, 1249,
 1252, 1253, 1254, 1265, 1266, 1267, 1268, 1269,
 1272, 1283, 1306, 1311, 1317, 1312a, 1321a, 1395.
 Stresscs, 167, 168, 193, 216, 273, 278, 282, 322.
 Submarine Boat Corporation, 557.
 Submarine tenders, 974, 975, 980, 1077, 1185.
 Sun Shipbuilding Co., 489, 553.
 Superstructures. *See* Deck houses.
 Swan, Hunter, & Wigham Richardson, 490.

T

Tank ships, 648, 694, 774, 786, 793, 894, 910, 963,
 965, 1002, 1008, 1045, 1046, 1047, 1048, 1059,
 1064, 1070, 1103, 1107, 1118, 1119, 1120, 1149,
 1150, 1151, 1160, 1168, 1178, 1199, 1234, 1235,
 1236, 1237, 1238, 1246, 1259, 1296, 1297, 1298,
 1299.
 Tanks. *See* Experimental tanks.
 Tenyo Maru, 657, 688, 868.
 Texas, 1104.
 Thunderer, 881.
 Titanic, 856, 891, 902, 903, 915, 917, 956.
 Torpedo boat destroyers, 631, 683, 684, 685, 686,
 687, 699, 701, 765, 798, 815, 824, 846, 848, 857,
 900, 933, 938, 941, 943, 986, 998, 1004, 1014,
 1015, 1016, 1024, 1029, 1092, 1095, 1138, 1174,
 1207, 1211.
 Train ferry. *See* Car ferry.
 Tuckahoe, 1309.
 Tugboat, 1255, 1256.

U

Union Iron Works, 373, 462, 491.
 Unsinkable ships, 11, 12; 13, 45, 182, 183, 198, 212,
 214, 243, 313, 981, 982, 1089, 1139, 1281, 1286,
 1294, 1302, 1318, 1319.

V

Vanguard, 729, 804.
 Vaterland, 1098, 1100, 1135, 1145.
 Verdi, 669.
 Von der Tann, 801.
 Vulcan, 644, 659.
 Vulcan shipyard, 339, 343, 361, 369, 379, 393.

W

Wallsend Slipway & Engineering Works, 456.
 Warships, 37, 69, 74, 107, 130, 140-142, 151, 178,
 268, 641, 643, 691, 704, 711, 725, 761, 776-779,
 781, 834, 835, 859, 873, 907, 909, 922-924, 984,
 989, 993-994, 1013, 1018, 1021, 1052, 1058, 1078,
 1082, 1090, 1102, 1106, 1121-1124, 1127, 1146,
 1148, 1162, 1171, 1191, 1196, 1221, 1229, 1241,
 1251. *See also* Cruisers, Torpedo boat de-
 stroyers, and names of ships.
 Washington Irving, 1032, 1063.
 Washington Shipping Co., Seattle, 482.
 Ways, 527.
 Welding, 1260, 1261, 1270, 1273, 1274, 1275, 1276,
 1277, 1278, 1279, 1280, 1282, 1289, 1292, 1303,
 1305, 1312, 1314.
 Weser shipyard, 384.
 White Star line, 853.
 Wilhelmina, 741.
 Workman, Clark & Co., 415.
 Wyoming, 568, 945.

Y

Yarmouth, 890.
 Yarrow & Co., 347, 353, 408.

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